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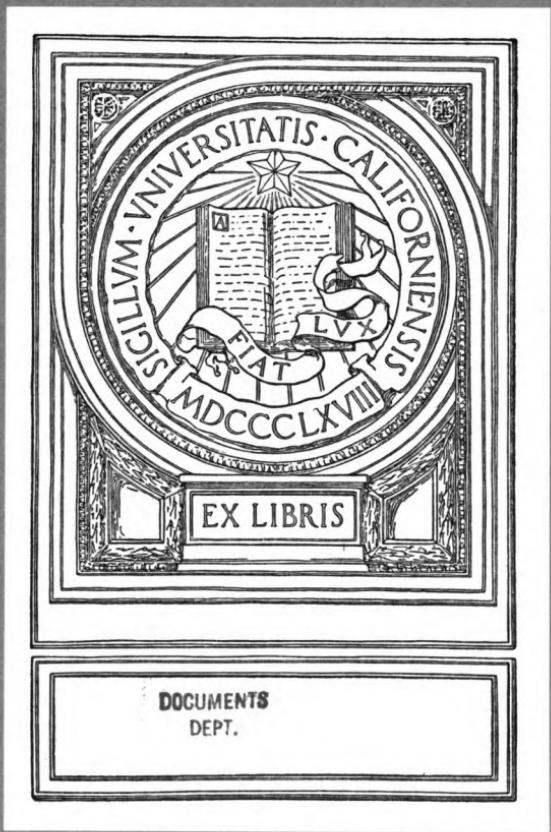
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U.S. DEPARTMENT OF COMMERCE  
" BUREAU OF NAVIGATION  
RADIO SERVICE

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COMMERCIAL AND GOVERNMENT  
RADIO STATIONS OF THE  
UNITED STATES

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EDITION JUNE 30, 1920



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
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Additional copies of this publication may be procured from the Superintendent of Documents, Government Printing Office, Washington, D.C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in radio laws and regulations and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year.

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## NOTES.

Supplements, under the title "Radio Service Bulletin," are issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction, and to those concerned with the operation of Government and commercial radio stations for their information.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

Copies of this bulletin may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per year.

Underscoring of normal wave length is indicated by the use of italics.

### ABBREVIATIONS USED IN THIS LIST.

#### Nature of service:

PG=General public.

PR=Limited public.

P=Private (limited commercial and special).

O=Government business exclusively.

#### Hours of operation:

N=Continuous service.

X=No regular hours.

#### Vessel owners:

U. S. S. B.=United States Shipping Board.

#### Radio companies:

C. & W. R. C.=Cutting & Washington Radio Corporation.

F. T. Co.=Federal Telegraph Co.

I. R. T. Co.=International Radio Telegraph Co.

I. W. T. Co.=Independent Wireless Telegraph Co.

R. C. of A.=Radio Corporation of America.

S. O. R. S.=Ship Owners Radio Service.

T. R. T. Co.=Tropical Radio Telegraph Co.

#### Classification:

b=Ship station.

c=Land station.

DF=Direction-finding service only, general public, no charges.

# **COMMERCIAL AND GOVERNMENT RADIO STATIONS OF THE UNITED STATES.**

## **INTRODUCTION.**

This list, including land and ship stations, is published in accordance with section 1 of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

This publication contains a complete list of the commercial and Government land and ship stations, technical and training stations, experimental stations, and special amateur stations. A complete list of Amateur Radio Stations of the United States is printed separately, copies of which are available only from the Superintendent of Documents, Government Printing Office, Washington, D. C., at a nominal price.

The following instructions concerning radio call letters are issued for the information of those concerned:

1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:

SEC. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.

2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention, and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus authorized is printed as follows for the guidance of operators of all stations (ship and shore) of the United States:

A.....	See Note A.	ONA to OTZ..Belgium and colonies.
B <sup>1</sup> .....	Great Britain.	OUA to OZZ..Denmark.
CAA to CEZ..	Chile.	PAA to PIZ..Netherlands.
CFA to CKZ..	Great Britain and protectorates.	PJA to PJM..Curaçao (Dutch).
CLA to CMZ..	Spain.	PJN to PJZ..Surinam (Dutch).
QNA to CNZ..	Morocco.	PKA to PMZ..Dutch East Indies.
COA to COZ..	Great Britain.	PNA to PPZ..Brazil.
CPA to CPZ..	Bolivia.	PQA to PQZ..Portugal.
ČQA to CQZ..	Monaco.	PTA to PVZ..Brazil.
CRA to CUZ..	Portugal and possessions.	PWA to PZZ..Netherlands.
CVA to CVZ..	Roumania.	Q..... Reserved for code abbreviations.
CWA to CWZ..	Uruguay.	R..... Russia.
CXA to CXZ..	Spain.	SAA to SMZ..Sweden.
CYA to CZZ..	Mexico.	SNA to STZ..Brazil.
D.....	See Note A.	SUA to SUZ..Egypt.
EAA to EHZ..	Spain and colonies.	SVA to SZZ..Greece.
EIA to EZZ..	Great Britain.	TAA to TMZ..See Note A.
F.....	France and colonies.	TNA to TZZ..See Note A.
G.....	Great Britain.	UAA to UMZ..France and colonies.
HAA to HFZ..	See Note A.	UNA to UNZ..Bosnia-Herzegovina.
HGA to HHZ..	Siam.	UOA to UZZ..See Note A.
HIA to HIZ..	Dominican Republic.	VAA to VGZ..Canada (British).
HJA to HKZ..	Republic of Colombia.	VHA to VKZ..Australian Federation (British).
HLA to HNU..	Spain.	VLA to VMZ..New Zealand (British).
HNV to HNZ..	New Hebrides.	VNA to VNZ..South African Union (British).
HOA to HZZ..	France and colonies.	VOA to VOZ..Newfoundland (British).
I.....	Italy and colonies.	VPA to VSZ..British colonies not autonomous.
J.....	Japan and colonies.	VTA to VWZ..British India.
KAA to KCZ..	See Note A.	VXA to VZZ..Colonies and protectorates of Great Britain.
KDA to KZZ..	United States.	W..... United States.
LAA to LHZ..	Norway.	XAA to XDZ..Mexico.
LIA to LRZ..	Argentine Republic.	XEA to XMZ..Great Britain.
LSA to LUZ..	Great Britain.	XNA to XSZ..China.
LVA to LVZ..	Guatemala.	XTA to XZZ..Great Britain.
LWA to LWZ..	Norway.	Y..... Great Britain.
LXA to LZZ..	See Note A.	Z..... Great Britain.
M.....	Great Britain.	
N.....	United States.	
OAA to OBZ..	Peru.	
OCA to OFZ..	Great Britain.	
OGA to OMZ..	Austria.	
	See Note A.	

<sup>1</sup> The callletters BAA to BVC are no longer assigned to British vessels of war. Accordingly, all the calls from BAA to BVC may be canceled. The call letter BXZ henceforth designates any vessel of the British Navy whatsoever.

NOTE A.—The calls beginning with A, with D, from KAA to KCZ, and from TNA to TZZ were reserved for Germany and possessions and are subject to change involved in results of the Versailles Treaty of Peace. The same applies to calls from HAA to HFC assigned to Hungary, LXA to LZZ to Bulgaria, OGA to OMZ to Austria, TAA to TMZ to Turkey, UOA to UZZ to Austria-Hungary.

#### PUBLIC-SERVICE STATIONS.

3. The call letters assigned to the United States are all three and four letter combinations beginning with the letter N and all beginning with the letter W, and all combinations from KDA to KZZ,

inclusive. The international call letters assigned to the United States are reserved for Government stations and stations open to public and limited commercial service.

(a) All combinations beginning with the letter N are reserved for Government stations, and, in addition, the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the United States Army.

(b) During the war the combinations of three letters beginning with K, W, and N were exhausted, and it was necessary to assign combinations of four letters beginning with K, W, and N. Operators should be careful in transmitting call letters to avoid confusion between the three and the four letter combinations.

#### LIMITED COMMERCIAL STATIONS.

4. Call letters for limited commercial land and ship stations are allotted by the Bureau of Navigation.

#### RADIO STATIONS OF THE WORLD.

5. The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland. In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates. The international list includes the Government and commercial land and ship stations of the United States. The list is divided into three sections. The first section contains a list of coast stations grouped by countries and arranged alphabetically; the second section contains a list of ship stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are stated in francs and centimes. Supplements to the international list will be issued monthly, and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business as the official tariff book, and a copy of this list is required as a part of the equipment of every land station open to general public service and every ship station of the first or second class on American vessels engaged in foreign trade or the transoceanic service. The international alphabetical list of call letters (stations of the world) is also issued by the International

Bureau at Berne, and supplements are issued monthly. Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

E. T. CHAMBERLAIN,  
*Commissioner of Navigation.*

Approved:

EDWIN F. SWEET,  
*Acting Secretary of Commerce.*

# COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Akutan, Alaska.....	KMW	300, 450, 600	PR	X	North Pacific Sea Products Co.
Alitak, Alaska.....	KYL	300, 500, 600	PR	X	Alaska Packers Assn.
Avalon, Calif.....	KUXV	.....	.....	.....	Pacific Telep. & Teleg. Co.
Babylon, N. Y. <i>See New York, N. Y.</i>	.....	.....	.....	.....	.....
Bedcharof, Alaska.....	KUDV	150, 300, 600	PR	X	Alaska Packers Assn.
Belmar, N. J. <i>See New Brunswick, N. J.</i>	.....	.....	.....	.....	.....
Bolinas, Calif.....	KET	6700	PR	N	Radio Corp. of America.
Boston, Mass.....	WBF	300, 600	PG	N	Tropical Radio Teleg. Co.
Bristol Bay, Alaska. <i>See Metha Nelson.</i>	.....	.....	.....	.....	.....
Brooklyn, N. Y.....	WCG	300, 600	PG	N	International Radio Teleg. Co.
Burrwood, La.....	WBW	300, 600, 2200	PG	X	Tropical Radio Teleg. Co.
Butte, Mont.....	KMN	550, 1700	PR	X	Great Falls Power Co.
Cape Edwards, Alaska.....	KEY	300, 550, 600	PR	X	Deep Sea Salmon Co.
Chatham, Mass. <i>See Marion, Mass.</i>	.....	.....	.....	.....	.....
Cheboygan, Mich.....	KUXM	300, 450, 600	PR	X	Warren W. Kathan.
Chicago, Ill.....	WGO	300, 600, 2000	PR	(1)	Inter-City Radio Co.
Chichagof, Alaska.....	KWW	300, 550, 600	PR	X	Joseph T. Bauer.
Chignik, Alaska.....	KHC	300, 600, 1610	PR	X	Alaska Packers Assn.
Chisik Island, Alaska.....	KUCP	300, 400, 500,	PR	.....	Surf Packing Co.
Clarks Point, Alaska.....	KHG	600	PR	X	Alaska Packers Assn.
Cleveland, Ohio.....	WCX	.....	PR	.....	Inter-City Radio Co.
Crocker Building. <i>See San Francisco, Calif.</i>	.....	.....	.....	.....	.....
Dallas, Tex.....	KUXP	300, 425, 600, 1650	PR	N	Continental Radio Teleg. & Telep. Co.
Detroit, Mich.....	WDR	.....	PR	.....	Inter-City Radio Co.
Egegik, Alaska.....	KMF	300, 550, 600	PR	X	Libby, McNeill & Libby.
Ekuk, Alaska.....	KMG	300, 500, 600	PR	X	Libby, McNeill & Libby.
Ensenada, P. R.....	WPR	300, 600, 1610	PR	X	Guanica Centrale.
Fairport, Va.....	KDAH	.....	PR	.....	C. E. Davis Packing Co.
False Pass, Alaska.....	KJL	300, 550, 600, 1700	PR	X	Sockeye Salmon Co.
Funter, Alaska.....	KXX	300, 550, 600	PR	X	Thinket Packing Co.
Great Falls, Mont. (Rainbow).....	KLQ	550, 1700	PR	X	Great Falls Power Co.
Hawk Inlet, Alaska.....	KKAI	300, 550, 600	PR	X	P. E. Harris & Co.
Hog Island, Pa.....	KDAB	.....	P	X	American International Shipping Corp.
Ikatan, Alaska.....	KXW	300, 450, 600	PR	X	Pacific American Fisheries.
Johnswood, Mich.....	KUVQ	300, 450, 600	PR	X	Kreetaan Co.
Jordan, Mont.....	KUVR	500	PR	(2)	Miles City-Jordan Wireless Co.
Jualin, Alaska.....	KJA	300, 600, 1980	PG	X	Jualin Alaska Mines Co.
Kahuku, Hawaii.....	KIE	9000	PG	N	Radio Corp. of America.
Karluk, Alaska.....	KYK	150, 300, 600	PR	X	Alaska Packers Assn.
Kaunakakai, Hawaii.....	KHO	300, 400, 600	PR	(3)	Mutual Telephone Co.
Kawaihae, Hawaii.....	KHN	300, 500, 600	PR	(4)	Mutual Telephone Co.
King Cove, Alaska.....	KJK	300, 450, 600, 1610	PG	X	Pacific-American Fisheries Co.
Koggium, Alaska (moored vessel). Koggium, Alaska.....	KUBX	150, 300, 600	PR	N	Alaska Packers Assn.
Koko Head, Hawaii. <i>See Kahuku.</i>	KVV	300, 450, 600, 1610	PR	(5)	Libby, McNeill & Libby.
Kussilof, Alaska.....	KKAO	525, 600, 1610	PR	X	Alaska Packers Assn.
Kvichak, Alaska.....	KHB	300, 400, 500, 600	PR	X	Alaska Packers Assn.
Kwiguk Slough, Alaska.....	KOV	550, 600, 1610	PR	X	Carlisle Packing Co.
Lahaina, Hawaii.....	KHL	300, 500, 600	PR	(5)	Mutual Telephone Co.
Latouche, Alaska.....	KIM	300, 600, 1650	PG	(6)	Kennecott Copper Corp.

<sup>1</sup> Operates from 8.30 a. m. to 5 p. m.

<sup>2</sup> Operates from 8 a. m. to 6 p. m.

<sup>3</sup> Operates from 7 a. m. to 5.30 p. m.

<sup>4</sup> Operates from 7 a. m. to 12 p. m.

<sup>5</sup> Operates from 6.30 to 9.30 p. m.

<sup>6</sup> Operates from 1 to 5 p. m. week days; 11 a. m. to 12 noon Sundays.

## COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Lazy Bay, Alaska.....	KEPS	300, 600, 1650	PR	X	Alitak Packing Co.
Libbyville, Alaska.....	KMT	300, 600, 1700, 2200	PR	X	Libby, McNeill & Libby.
Lihue, Hawaii.....	KHM	300, 500, 600	PR	(1)	Mutual Telephone Co.
Lockanok, Alaska.....	KML	300, 550, 600, 1650	PR	X	Libby, McNeill & Libby.
Long Beach, Calif.....	KUXT	.....	PR	.....	Pacific Telep. & Teleg. Co.
Lost Harbor, Alaska.....	KWS	300, 600	PR	X	Alaska Sulphur Co.
Marion, Mass.....	WSO	12000	PR	N	Radio Corp. of America.
Marshall, Alaska.....	KIS	300, 550, 600, 1650	PR	(*)	John C. Currin.
Marshall, Calif. <i>See</i> Bolinas, Calif.	KMP	250, 300, 525, 600	PR	X	Alaska Packers Assn.
Metha Nelson (moored schooner) .....	KUXN	500	PR	(*)	Miles City-Jordan Wireless Co.
Miles City, Mont.....	KDW	300, 525, 600, 1700, 2000	PR	X	G. W. Hume & Co.
Naknek, Alaska.....	KHT	300, 600, 1610	PR	X	Alaska Packers Assn.
Naknek, Alaska.....	KMK	300, 500, 600	PR	X	Naknek Packing Co.
Nelson Lagoon, Alaska.....	KXV	300, 450, 600	PR	X	Pacific American Fisheries Co.
New Brunswick, N. J.....	WII	13600	PR	N	Radio Corp. of America.
New London, Conn.....	WLC	300, 600	PG	N	International Radio Teleg. Co.
New Orleans, La.....	WNU	300, 600, 2200	PG	N	Tropical Radio Teleg. Co.
Newport, R. I.....	WCI	300, 600	PG	X	International Radio Teleg. Co.
New York, N. Y.....	WHA	300, 600	PG	X	E. J. Simon.
New York, N. Y.....	WNY	300, 450, 600	PG	N	Radio Corp. of America.
New York, N. Y.....	WSE	300, 450, 600	PG	N	Independent Wireless Teleg. Co.
New York, N. Y.....	WHI	300, 600, 1700	PR	(*)	John Wanamaker.
Nushagak, Alaska.....	KKAE	.....	PR	.....	Libby, McNeill & Libby.
Ogden, Utah.....	KUPQ	200, 425	PR	X	Ogden - Portland Cement Co.
Philadelphia, Pa.....	WHE	300, 600, 1700	PR	(*)	John Wanamaker.
Pilot Point, Alaska.....	KUDT	150, 300, 600	PR	X	Alaska Packers Assn.
Pirate Cove, Alaska.....	KOXN	300, 600, 1650	PR	(*)	Union Fish Co.
Port Althorp, Alaska.....	KLW	300, 450, 525, 600	PR	X	Deep Sea Salmon Co.
Port Beauclaire, Alaska.....	KWO	300, 550, 600	PR	X	Beauclaire Packing Co.
Port Chatham, Alaska.....	KWH	.....	PR	.....	Alaska Ocean Food Co.
Port Moller, Alaska.....	KWR	300, 450, 600, 1610	PR	(*)	Pacific American Fisheries Co.
Port Walter, Alaska.....	KEQ	300, 500, 525, 600	PR	X	Alaska Herring & Sardine Co.
Saltchuck, Alaska.....	KWQ	300, 550, 600	PR	X	Saltchuck Mining Co.
Snag Point, Alaska.....	KHF	300, 400, 500, 600	PR	X	Alaska Packers Assn.
Sulzer, Alaska.....	KKAA	300, 550, 600	PR	X	Charles A. Sulzer.
Teller, Alaska.....	KWT	.....	PR	X	Max R. Hirschberg.
Tenakee, Alaska.....	KOSC	300, 550, 600	PG	X	Columbia Salmon Co.
Thompson Falls, Mont.....	KLL	550, 1700	PG	X	Thompson Falls Power Co.
Tuckerton, N. J.....	WGG	8000	PG	N	Radio Corp. of America.
Ugagak, Alaska. <i>See</i> Egegik, Alaska.	.....	.....	.....	.....	.....
Ugashik, Alaska.....	KMU	300, 500, 600	PR	X	Red Salmon Canning Co.
Unga Island, Alaska.....	KVI	300, 600, 1650	PR	X	Alaska Codfish Co.
Uyak, Alaska.....	KHA	300, 600, 1610	PR	X	Alaska Packers Assn.
Wahiawa, Hawaii.....	KHK	300, 550, 600	PG	N	Mutual Telephone Co.
Washington Bay, Alaska.....	KQS	300, 450, 525, 600	PR	X	Petersburg Packing Co.
Wichita Falls, Tex.....	KUXQ	1750	PR	N	Continental Radio Teleg. & Teleg. Co.
Yakutat, Alaska.....	KKA	300, 550, 600	PR	X	Libby, McNeill & Libby.

<sup>1</sup> Operates from 7 a. m. to 5.30 p. m.<sup>2</sup> Operates from 9 a. m. to 7 p. m.<sup>3</sup> Operates from 8 a. m. to 6 p. m.<sup>4</sup> Operates from 9 a. m. to 5 p. m.<sup>5</sup> Operates from 9 to 11 a. m. and 6 to 12 p. m.<sup>6</sup> Operates from 6.30 to 9.30 p. m.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Abangarez.....	KDI	300, 600	PG	United Fruit Co.....	T. R. T. Co.
Abbeville.....	KLN	300, 600	PG	U. S. S. B.....	S. O. R. S.
Abercos.....	KOVR	300, 600	PG	.....do.....	Do.
Aberdeen.....	WXIU	300, 600	PG	.....do.....	Do.
Ablanset.....	KIXF	300, 600	PG	.....do.....	I. W. T. Co.
Abner Coburn .....	WHR	300,450,600, 1,800	PG	Libby, McNeill & Libby,	S. O. R. S.
Abraham Lincoln.....	KIXS	300, 600	PG	U. S. S. B.....	Do.
Abron.....	KEBD	300, 600	PG	.....do.....	R. C. of A.
Absaroka.....	WKW	300, 600	PG	.....do.....	Do.
Absecon.....	KSEA	300, 600	PG	.....do.....	I. W. T. Co.
A. C. Bedford.....	KNZ	300,450,600	PG	Standard Oil Co. of N. J.	R. C. of A.
Accomac.....	KMOE	300, 600	PG	U. S. S. B.....	S. O. R. S.
Achilles.....	KPT	300,450,600	PG	Panama R. R. Co.....	Owner of vessel.
Acme.....	KIJ	300, 600	PG	Standard Transporta- tion Co.	R. C. of A.
Acrema.....	KEDD	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Aculeo.....	KEQQ	300, 600	PG	.....do.....	S. O. R. S.
Addison.....	WBAU	300, 600	PG	.....do.....	
Admiral Dewey.....	WAY	300, 600	PG	Pacific S. S. Co.....	Do.
Admiral Evans.....	KICZ	300, 600	PG	.....do.....	Do.
Admiral Farragut.....	WAF	300,450,515, 600	PG	.....do.....	Do.
Admiral Goodrich.....	WRJ	300,440,520, 600	PG	.....do.....	Do.
Admiral Mayo.....	WZIO	300,440,525, 600	PG	Pacific-Alaska Navi- gation Co.	Owner of vessel.
Admiral Nicholson.....	KMAA	300,450,600	PG	Pacific S. S. Co.....	S. O. R. S.
Admiral Rodman.....	WOA	300, 600	PG	.....do.....	R. C. of A.
Admiral Schley.....	WAZ	300, 600	PG	.....do.....	S. O. R. S.
Admiral Sebree.....	WAG	300, 600	PG	Pacific-Alaska Navi- gation Co.	Do.
Admiral Sims.....	KXUO	300,440,525, 600	PG	.....do.....	Owner of vessel.
Admiral Wainwright.....	WSF	300, 450, 600	PG	Pacific S. S. Co.....	S. O. R. S.
Admiral Watson.....	WAW	300,450,525, 600	PG	.....do.....	Do.
Adria.....	KUSZ	300, 450, 600	PG	U. S. S. B.....	
Advance.....	KMV	300, 450, 600	PG	Panama R. R. Co.....	Owner of vessel.
Adway.....	WBEA	300, 600	PG	U. S. S. B.....	R. C. of A.
Aeolus.....	KOZC	300, 600	PG	.....do.....	
A. E. R. Schneider.....	WFUI	300, 450, 600	PG	Morrow S. S. Co.....	C. & W. R. C.
Afalkey.....	WBEE	300, 600	PG	U. S. S. B.....	R. C. of A.
Afel.....	KISQ	300, 600	PG	.....do.....	Do.
Afoundsria.....	KOMQ	300, 600	PG	.....do.....	S. O. R. S.
Afrania.....	KLAI	300, 600	PG	.....do.....	R. C. of A.
Agarista.....	KLUU	300, 600	PG	.....do.....	I. W. T. Co.
Agawam.....	WNIE	300, 600	PG	.....do.....	Do.
Agememnon.....	KOXQ	300, 600	PG	.....do.....	S. O. R. S.
Agria.....	WQAI	300, 600	PG	.....do.....	
Agron.....	KUVJ	300, 600	PG	.....do.....	I. W. T. Co.
Agwidale.....	WDOA	300, 600	PG	Mallory S. S. Co.....	Do.
Agwistar.....	KEPG	300, 600	PG	.....do.....	
Agwisun.....	KDAD	300, 600	PG	Atlantic, Gulf & West Indies S. S. Co.	
Agylla.....	KUXS	300, 420, 600	PG	National Oil Trans- port Co.	S. O. R. S.
Ahala.....	KECZ	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Aiken.....	WMUU	300, 600	PG	.....do.....	R. C. of A.
Aimwell.....	WVUO	300, 600	PG	.....do.....	S. O. R. S.
Airlie.....	WBEI	300, 600	PG	Nacirema S. S. Corp....	R. C. of A.
Ajax.....	KOJ			Alessandro Fabri.....	
Alabama.....	WFB	300, 600	PG	Goodrich Transit Co.....	Do.
Alabama.....	WRAE	300, 600	PG	Texas Co.....	I. W. T. Co.
Alabat.....	WSAO	300, 600	PG	U. S. S. B.....	S. O. R. S.
Alameda.....	WAA	300, 600	PG	Alaska S. S. Co.....	Do.
Alameda.....	KOBN	300, 600	PG	U. S. S. B.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by
Alamo.....	KEJ	300, 450, 600	PG	Mallory S. S. Co.....	R. C. of A.
Alamosa.....	WLUI	300, 600	PG	U. S. S. B.....	Do.
Alanthus.....	WVEE	300, 600	PG	.....do.....	Do.
Alapaha.....	WZAI	300, 600	PG	.....do.....	Do.
Alaska.....	WWS	300, 435, 510, 600	PG	Alaska S. S. Co.....	S. O. R. S.
Alaskan.....	WKA	300, 600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Albatross.....	KELD	300, 600	PR	Albatross Co.....	Do.
Alberta.....	KZA	300, 600, 1, 800	PG	Fred G. Bourne.....	R. C. of A.
Alcis.....	KEPX	300, 600	PG	U. S. S. B.....	S. O. R. S.
Alcona.....	WLLO	300, 600	PG	.....do.....	Do.
Alderman.....	KIFF	300, 600	PG	.....do.....	R. C. of A.
Alector.....	KEPZ	300, 600	PG	.....do.....	I. W. T. Co.
Aledo.....	KEPL	300, 600	PG	.....do.....	S. O. R. S.
Algonquin.....	KIZT	300, 450, 600	PG	Clyde S. S. Co.....	I. W. T. Co.
Alicia.....	KZB	300, 600	PG	Alfred I. Du Pont.....	Owner of vessel.
Allaguash.....	KVX	300, 450, 525, 600	PG	American-Transatlantic Co.	S. O. R. S.
Allanhurst.....	WNOA	300, 600	PG	U. S. S. B.....	Do.
Allegheny.....	WRAI	300, 600	PG	Great Lakes Transit Corp.	Owner of vessel.
Allentown.....	KVIU	300, 600	PG	U. S. S. B.....	R. C. of A.
Allianca.....	KMA	300, 450, 600	PG	Panama R. R. Co.....	Do.
Alliance.....	WRV	300, 600	PG	Gulf Mail S. S. Co.....	Do.
Allies.....	KQUA	300, 600	PG	U. S. S. B.....	Do.
Allison.....	WTOA	300, 600	PG	.....do.....	S. O. R. S.
Alloway.....	KTAA	300, 600	PG	.....do.....	Do.
Aloha.....	KYH	300, 450, 600	PG	Arthur C. James.....	Owner of vessel.
Alpacco.....	WBII	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Alpena.....	WCS	300, 500, 600	PG	Wyandotte Transportation Co.	R. C. of A.
Alta.....	KICX	300, 450, 600	PG	U. S. S. B.....	Do.
Alvada.....	WGEE	300, 450, 600	PG	.....do.....	S. O. R. S.
Ambridge.....	KIKQ	300, 600	PG	.....do.....	I. W. T. Co.
A. M. Byers.....	WMY	300, 600	PG	North American S. S. Co.	R. C. of A.
Amercross.....	KOVF	300, 600	PG	U. S. S. B.....	Do.
Amelia.....	WRF	300, 600	PG	Atlantic Fruit Co.....	Do.
American.....	WKF	300, 600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
American Press.....	KUDN	300, 600	PG	U. S. S. B.....	R. C. of A.
American Star.....	KIPP	300, 600	PG	.....do.....	Do.
Amolco.....	KMB	300, 450, 600	PG	Boston Molasses Co.....	Owner of vessel.
Amoron.....	WTOE	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Ampetco.....	KMUA	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Amphion.....	WJS	300, 600	PG	U. S. S. B.....	Do.
Anaconda.....	KOFD	300, 450, 600	PG	.....do.....	S. O. R. S.
Anacortes.....	KQOA	300, 600	PG	.....do.....	I. W. T. Co.
Anahua.....	KUZL	300, 600	PG	.....do.....	Do.
Ancon.....	KMS	300, 450, 600	PG	Panama R. R. Co.....	Owner of vessel.
Andalusia.....	WJA	300, 600	PG	U. S. S. B.....	Do.
Andra.....	WDEE	300, 600	PG	.....do.....	S. O. R. S.
Andrea F. Luckenbach.....	KIFV	300, 600	PG	Luckenbach S. S. Co.....	Do.
Andrew Jackson.....	KONQ	300, 600	PG	U. S. S. B.....	Do.
Angeles.....	KUJB	300, 450, 600	PG	.....do.....	R. C. of A.
Angelina.....	KIFT	300, 600	PG	.....do.....	I. W. T. Co.
Aniwa.....	KROE	300, 600	PG	.....do.....	R. C. of A.
Anna E. Morse.....	KUTD	300, 600	PG	.....do.....	Do.
Ann Arbor No. 3.....	WDN	300, 600	PG	Ann Arbor R. R. Co.....	R. C. of A.
Ann Arbor No. 4.....	WDO	300, 600	PG	.....do.....	Do.
Ann Arbor No. 5.....	WDP	300, 600	PG	Empire Trust Co.....	Do.
Ann Arbor No. 6.....	WDQ	300, 600	PG	Ann Arbor Boat Co.....	Do.
Annetta.....	WRG	300, 600	PG	Atlantic Fruit Co.....	Do.
Annette Rolph.....	KETZ	300, 600	PG	Rolph Navigation & Coal Co.	Owner of vessel.
Anniston.....	KTDM	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Anoka.....	KQEE	300, 600	PG	.....do.....	R. C. of A.
Anthera.....	WNUA	300, 600	PG	.....do.....	Do.
Anthracite Bridge.....	KUKG	300, 600	PG	.....do.....	Do.
Antietam.....	KONR	300, 600	PG	.....do.....	Do.
Antilla.....	KWD	300, 450, 600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Antonia.....	KOLD	300, 600	PG	Madrigal & Co.....	S. O. R. S.
Anyox.....	WCJ	300, 600	PG	Coastwise S. S. & Barge Co.	Do.
Aowa.....	WRIA	300, 600	PG	U. S. S. B.....	R. C. of A.
Apache.....	KVA	300, 450, 600	PG	Clyde S. S. Co.....	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Apache.....	KYY	300,600	PG	Robert F. Herrick.....	
Apalachee.....	WSAE	300,575,600	PG	U. S. S. B.....	I. W. T. Co.
Apex.....	KGUI	300,575,600	PG	Wilson Fisheries Co.....	Owner of vessel.
Aquackanock.....	KSAU	300,600	PG		
Aquarius.....	KUSN	300,600	PG	Nafra Co.....	
Aquilo.....	KOJC	300,425,600	P	H. F. Alexander.....	Do.
Arado.....	WVUI	300,600	PG	U. S. S. B.....	I. W. T. Co.
Aragon.....	KUKB	300,600	PG	The Aragon (Inc.).....	C. & W. R. C.
Arambi.....	KESF	300,600	PG	U. S. S. B.....	S. O. R. S.
Aramis.....	WDZ	300,450,600	P	A. H. Marks.....	Owner of vessel.
Arapahoe.....	KVB	300,450,600	PG	Clyde S. S. Co.....	I. W. T. Co.
Arcadia.....	WWD	300,600	PG	U. S. S. B.....	S. O. R. S.
Archer.....	KXG	300,600	PG	.....do.....	R. C. of A.
Arcturus.....	KURD	300,600	PG	.....do.....	I. W. T. Co.
Ardena.....	KBEU	300,600	PG	.....do.....	Do.
Ardimore.....	KIA	300,450,600	PG	Standard Oil Co. of N. J.	R. C. of A.
Arenas.....	KIRM	300,600	PG	U. S. S. B.....	
Argenta.....	KIKS	300,600	PG	.....do.....	Do.
Argon.....	KUDD	300,600	PG	Standard Transporta-tion Co.	Do.
Argonne.....	KSIO	300,450,600	PG	Argonne S. S. Co.....	Do.
Argus.....	KUVD	300,600	PG	Nafra Co.....	
Argyll.....	WTB	300,600,1800	PG	Union S. S. Co.....	F. T. Co.
Arlo.....	KULM	300,450,600	PG	Standard Transporta-tion Co.	R. C. of A.
Arizona.....	WFG	300,600	PG	Goodrich Transit Co.....	Do.
Arizonan.....	WKB	300,600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Arizpa.....	KULN	300,600	PG	U. S. S. B.....	I. W. T. Co.
Arlington.....	KZY	300,600	PG	New England Fuel & Transportation Co.	R. C. of A.
Armenia.....	KYMS	300,600	PG	U. S. S. B.....	I. W. T. Co.
Artemus.....	WQS	300,600	PG	.....do.....	Do.
Artigas.....	KURG	300,600	PG	.....do.....	Do.
Artisan.....	KBOE	300,600	PG	.....do.....	Do.
Arundel.....	KETQ	300,600	PG	.....do.....	S. O. R. S.
Arvonia.....	WMOE	300,600	PG	.....do.....	
Aryan.....	KOLB	300,600	PG	.....do.....	I. W. T. Co.
Asabith.....	KIXG	300,600	PG	.....do.....	Do.
Ascutney.....	KYV	300,600	PG	.....do.....	R. C. of A.
Ashbee.....	KIGZ	300,600	PG	.....do.....	I. W. T. Co.
Ashburn.....	WBEO	300,600	PG	.....do.....	R. C. of A.
Ashland County.....	KOMR	300,450,600	PG	.....do.....	S. O. R. S.
Ashtabula.....	WEZ	300,600	PG	Pennsylvania & Ontario Navigation Co.	R. C. of A.
Askawake.....	KETM	300,450,600	PG	U. S. S. B.....	S. O. R. S.
Asotin.....	KILD	300,600	PG	.....do.....	R. C. of A.
Aspenhill.....	KETR	300,600	PG	.....do.....	S. O. R. S.
Aquam.....	KISV	300,600	PG	.....do.....	R. C. of A.
Assnippi.....	KIPB	300,600	PG	.....do.....	S. O. R. S.
Astmahco III.....	WGB	300,600	PG	Astmahco No. 3 (Inc.)	Do.
Astmahco IV.....	WDF	300,600	PG	Astmahasto 4 (Inc.)	Do.
Astoria.....	KRIE	300,600	PG	U. S. S. B.....	Do.
Astral.....	KIQ	300,450,600	PG	Standard Transporta-tion Co.	R. C. of A.
Asuncion.....	WTX	300,600	PG	Standard Oil Co. of Calif.	Do.
Atenas.....	KDK	300,600	PG	United Fruit Co.....	T. R. T. Co.
Atlantic Sun.....	KUMS	300,600	PG	Sun Oil Co.....	R. C. of A.
Atlantus.....	KIGN	300,600	PG	U. S. S. B.....	I. W. T. Co.
Atlas.....	WTT	300,450,600	PG	Standard Oil Co. of Calif.	R. C. of A.
Auburn.....	WDOE	300,450,600	PG	U. S. S. B.....	Do.
Auditor.....	KOFF	300,600	PG	.....do.....	S. O. R. S.
Aurora.....	WJAU	300,600	PG	.....do.....	R. C. of A.
Ausable.....	WWP	300,600	PG	American Transatlantic Co.	S. O. R. S.
Avalon.....	KIZL	300,600	PG	W. H. Wood.....	Owner of vessel.
Avalon.....	WFH	300,600	PG	William Wrigley, jr.	R. C. of A.
Avondale.....	KKAU	300,600	PG	U. S. S. B.....	S. O. R. S.
Awensdaw.....	KEMC	300,600	PG	.....do.....	Do.
Aztec.....	KZC	300,600	PG	A. C. Burrage.....	R. C. of A.
Babhoosie.....	KITC	300,600	PG	U. S. S. B.....	Do.
Babilinda.....	KODP	300,600	PG	J. E. Chilberg.....	
Baccarat.....	KUSX	300,600	PG	Independent S. S. Co.	
Bacoi.....	KJU	300,450,600	PG	Standard Oil Co. of N. J.	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Baddacock.....	KUJD	300, 600	PG	U. S. S. B.....	
Baganito.....	KGB	300, 600	PG	.....do.....	S. O. R. S.
Bagoso.....	WSAU	300, 600	PG	.....do.....	Do.
Bakersfield.....	KIZC	300, 600	PG	.....do.....	I. W. T. Co.
Balandan.....	KVEU	300, 475, 600	PG	.....do.....	R. C. of A.
Balboa.....	WHU	300, 600	PG	Colombian Maritime Co.	Do.
Balcatta.....	KOLM	300, 600	PG	Pacific Motorship Co.	
Baldbutte.....	KISM	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Baldhill.....	KOBV	300, 600	PG	.....do.....	S. O. R. S.
Baldridge.....	KEQG	300, 600	PG	.....do.....	R. C. of A.
Baldrock.....	KEQJ	300, 600	PG	.....do.....	S. O. R. S.
Balino.....	WKUO	300, 600	PG	.....do.....	Do.
Ballcamp.....	KENV	300, 450, 600	PG	.....do.....	R. C. of A.
Ballenas.....	KEMZ	300, 600	PG	.....do.....	S. O. R. S.
Ballew.....	KENQ	300, 600	PG	.....do.....	Do.
Balliett.....	KVIA	300, 475, 600	PG	.....do.....	R. C. of A.
Balosaro.....	KEDB	300, 600	PG	.....do.....	I. W. T. Co.
Balsam.....	KIJC	300, 600	PG	.....do.....	Do.
Balsto.....	WPAA	300, 600	PG	.....do.....	Do.
Banago.....	WVEO	300, 600	PG	.....do.....	Do.
Baranara.....	KENZ	300, 600	PG	.....do.....	S. O. R. S.
Bancroft.....	KNOI	300, 600	PG	.....do.....	I. W. T. Co.
Banicaa.....	KEQF	300, 600	PG	.....do.....	Do.
Bannack.....	KIZQ	300, 600	PG	.....do.....	Do.
Bantu.....	KLM	300, 600	PG	U. S. Steel Products Co.	R. C. of A.
Barabos.....	KPUU	300, 600	PG	U. S. S. B.....	S. O. R. S.
Bar Harbor.....	KEFD	300, 600	PG	.....do.....	I. W. T. Co.
Baribas.....	KERB	300, 600	PG	.....do.....	
Barkhamstead.....	WLOU	300, 600	PG	.....do.....	S. O. R. S.
Barlow.....	WLAE	300, 600	PG	.....do.....	
Barrallton.....	KIDT	300, 600	PG	.....do.....	I. W. T. Co.
Barranca.....	KIFR	300, 600	PG	.....do.....	S. O. R. S.
Barrenfark.....	KIJD	300, 600	PG	.....do.....	R. C. of A.
Barrington.....	KJIA	300, 600	PG	.....do.....	Do.
Barryton.....	KIJF	300, 600	PG	.....do.....	S. O. R. S.
Barstow.....	KIJR	300, 600	PG	.....do.....	I. W. T. Co.
Barthmey.....	KIZD	300, 600	PG	.....do.....	R. C. of A.
Bartholomew.....	KOMF	300, 600	PG	.....do.....	Do.
Bartolome.....	KOBS	300, 450, 600	PG	.....do.....	Do.
Barugo.....	KEQC	300, 600	PG	.....do.....	S. O. R. S.
Barwick.....	KOBR	300, 600	PG	.....do.....	R. C. of A.
Bassan.....	WRAA	300, 600	PG	.....do.....	Do.
Basco.....	WVEI	300, 600	PG	.....do.....	
Bascobel.....	KOFS	300, 600	PG	.....do.....	R. C. of A.
Basdorf.....	KOFR	300, 600	PG	.....do.....	
Basswood.....	KOQL	300, 600	PG	.....do.....	
Bastrop.....	KOQM	300, 600	PG	.....do.....	
Batanes.....	KEKX	300, 600	PG	.....do.....	I. W. T. Co.
Bathalam.....	KIQT	300, 600	PG	.....do.....	U. S. S. B.
Bathgate.....	KIQS	300, 600	PG	.....do.....	
Batino.....	KERC	300, 600	PG	.....do.....	
Baton Rouge.....	KSG	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Battahatchee.....	WCOA	300, 600	PG	U. S. S. B.....	Do.
Buttonville.....	KIGV	300, 600	PG	.....do.....	I. W. T. Co.
Bavington.....	KOPC	300, 450, 600	PG	.....do.....	R. C. of A.
Baxley.....	WBIO	300, 600	PG	.....do.....	Do.
Bayamo.....	WDEU	300, 600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Bay Head.....	KINT	300, 600	PG	U. S. S. B.....	R. C. of A.
Bayou Teche.....	WXUU	300, 600	PG	.....do.....	Do.
Bayport.....	KUJC	300, 600	PG	.....do.....	
Bayway.....	KSR	300, 450, 600	PG	Standard Oil Co. of N. J.	Do.
Bearport.....	KUBK	300, 450, 600	PG	U. S. S. B.....	S. O. R. S.
Beatrice.....	KLJ	300, 600	PG	A. H. Bull S. S. Co.	I. W. T. Co.
Beaumont.....	WXUA	300, 600	PG	U. S. S. B.....	R. C. of A.
Bedminster.....	WQIE	300, 600	PG	.....do.....	S. O. R. S.
Belair.....	WTOI	300, 600	PG	.....do.....	
Belding.....	KPUE	300, 600	PG	.....do.....	R. C. of A.
Belfast.....	KRD	300, 600	PG	.....do.....	Do.
Belfort.....	KIQB	300, 600	PG	U. S. S. B.....	S. O. R. S.
Belgrade.....	WROU	300, 600	PG	.....do.....	Do.
Bell Brook.....	KQEI	300, 600	PG	.....do.....	R. C. of A.
Bellbuckle.....	KITK	300, 600	PG	.....do.....	Do.
Bellemina.....	KODS	300, 600	PG	.....do.....	I. W. T. Co.
Bellepine.....	KOKF	300, 450, 600	PG	.....do.....	S. O. R. S.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Bellerose.....	KOKD	300, 450, 600	PG	U. S. S. B.....	R. C. of A.
Bellflower.....	KOPQ	300, 600	PG	.....do.....	I. W. T. Co.
Bellhaven.....	KOFC	300, 600	PG	.....do.....	S. O. R. S.
Bellingham.....	WCIA	300, 600	PG	.....do.....	I. W. T. Co.
Bellots.....	KVEA	300, 600	PG	.....do.....	S. O. R. S.
Beloit.....	KNIO	300, 600	PG	.....do.....	R. C. of A.
Belvidere.....	KEQK	300, 600	PG	.....do.....	S. O. R. S.
Benjamin Brewster.....	KPS	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Benj. F. Packard.....	WLA	300, 450, 600	PG	Booth Fisheries Co.....	S. O. R. S.
Benoni.....	KERR	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Benowa.....	KOTZ	300, 600	PG	J. E. Chilberg.....	
Bensalem.....	KOFT	300, 600	PG	U. S. S. B.....	R. C. of A.
Benzonia.....	KPUO	300, 600	PG	.....do.....	Do.
Berea.....	KELJ	300, 600	PG	.....do.....	Do.
Berea.....	KEKF	300, 600	PG	.....do.....	Do.
Berlin.....	WRB	300, 600	PG	Alaska-Portland Packers Assn.	Owner of vessel.
Bessemer.....	KIGT	300, 600	PG	U. S. S. B.....	R. C. of A.
Bethelridge.....	KERT	300, 600	PG	.....do.....	I. W. T. Co.
Bethlehem Bridge.....	KIJV	300, 600	PG	.....do.....	S. O. R. S.
Bethnor.....	KOKT	300, 600	PG	.....do.....	R. C. of A.
Betsy Bell.....	KITM	300, 600	PG	.....do.....	I. W. T. Co.
Betterton.....	KUBG	300, 600	PG	.....do.....	S. O. R. S.
Bidwell.....	KESQ	300, 600	PG	U. S. S. B.....	
Biloxi.....	KPAI	300, 600	PG	.....do.....	Do.
Biran.....	KKOA	300, 600	PG	Nacirema S. S. Corp.	I. W. T. Co.
Birchleaf.....	KEMD	300, 600	PG	U. S. S. B.....	R. C. of A.
Bird City.....	KOBP	300, 600	PG	U. S. Steel Products Co.	I. W. T. Co.
Birmingham City.....	KUTT	300, 450, 600	PG	U. S. Steel Products Co.	R. C. of A.
Black Arrow.....	WLN	300, 600	PG	U. S. S. B.....	S. O. R. S.
Blair.....	KIGR	300, 600	PG	.....do.....	I. W. T. Co.
Blakeley.....	WNUE	300, 600	PG	.....do.....	R. C. of A.
Blandon.....	KPAU	300, 600	PG	.....do.....	I. W. T. Co.
Bloomington.....	WFIO	300, 600	PG	.....do.....	S. O. R. S.
Blue Eagle.....	KPOA	300, 600	PG	.....do.....	R. C. of A.
Blue Triangle.....	KUGS	300, 600	PG	.....do.....	I. W. T. Co.
Bluffton.....	KEKZ	300, 600	PG	.....do.....	
Blythedale.....	KROA	300, 600	PG	.....do.....	S. O. R. S.
Bobring.....	WCAA	300, 600	PG	Pacific American Fisheries.	
Bockonoff.....	WNUI	300, 600	PG	U. S. S. B.....	R. C. of A.
Boilston.....	KPEA	300, 600	PG	.....do.....	S. O. R. S.
Bolikow.....	KEQD	300, 600	PG	.....do.....	
Bologan.....	WLIU	300, 600	PG	.....do.....	Do.
Bonham.....	WKIE	300, 600	PG	.....do.....	Do.
Bonifay.....	KPOO	300, 600	PG	.....do.....	Do.
Bonnafon.....	KNOU	300, 600	PG	.....do.....	R. C. of A.
Bonneteere.....	KETL	300, 600	PG	.....do.....	S. O. R. S.
Bon Secour.....	KIKV	300, 600	PG	.....do.....	Do.
Boobyalla.....	KUGC	300, 600	PG	J. E. Chilberg.....	
Boone.....	KENL	300, 600	PG	U. S. S. B.....	Do.
Boonsborough.....	KELL	300, 600	PG	.....do.....	Do.
Borad.....	KIDK	300, 600	PG	.....do.....	I. W. T. Co.
Boreta.....	WXUE	300, 600	PG	Petroleum Transport Service Corp.	S. O. R. S.
Boringuen.....	KFV	300, 600	PG	Battery S. S. Corp.	R. C. of A.
Boston.....	KXA	300, 550, 600	PG	New England S. S. Co.	I. R. T. Co.
Boston.....	KXS	300, 476, 600	PG	U. S. S. B.....	
Boston Bridge.....	KINS	300, 450, 600	PG	.....do.....	R. C. of A.
Bosworth.....	KQOU	300, 600	PG	.....do.....	Do.
Botsford.....	WZAO	300, 600	PG	.....do.....	I. W. T. Co.
Bottineau.....	WCAE	300, 600	PG	.....do.....	R. C. of A.
Boughton.....	WCAI	300, 600	PG	.....do.....	
Boulton.....	KNOE	300, 600	PG	U. S. S. B.....	S. O. R. S.
Bound Brook.....	KIFQ	300, 600	PG	.....do.....	Do.
Bournville.....	KTEU	300, 600	PG	.....do.....	
Bowesmont.....	KTIA	300, 600	PG	.....do.....	
Boxbutte.....	KETS	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Boxley.....	KNUU	300, 600	PG	.....do.....	S. O. R. S.
Boykin.....	KETT	300, 600	PG	.....do.....	Do.
Boynton.....	KUGF	300, 600	PG	.....do.....	I. W. T. Co.
Brabant.....	KUU	300, 450, 600	PG	Texas Co.....	Do.
Bradford.....	KNG	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Braeburn.....	WMOI	300, 600	PG	U. S. S. B.....	Do.
Bramell Point.....	KRO	300, 450, 600	PG	Vacuum Oil Co.....	Do.
Brandon.....	KZZ	300, 600	PG	New England Fuel & Transportation Co.	Do.

## 16 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Brandywine.....	WGUI	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Brant.....	KUDB	300, 600	PG	East Coast Fisheries Co.	Owner of vessel.
Brasher.....	KIJX	300, 600	PG	U. S. S. B.....	R. C. of A.
Brave Coeur.....	KOGN	300, 476, 600	PG	.....do.....	Do.
Braxton.....	KIBS	300, 600	PG	.....do.....	I. W. T. Co.
Brazos.....	KEZ	300, 450, 600	PG	New York & Porto Rico S. S. Co.	Do.
Bremerton.....	WSZ	300, 600	PG	U. S. S. B.....	R. C. of A.
Brentwood.....	KIBV	300, 600	PG	.....do.....	S. O. R. S.
Brevard.....	KEPJ	300, 600	PG	.....do.....	Do.
Briarcliffe.....	KEPK	300, 600	PG	.....do.....	Do.
Brilliant.....	KTI	300, 450, 600	PG	Standard Oil Co. of N. Y.	R. C. of A.
Brindilla.....	KTZ	300, 450, 600	PG	.....do.....	Do.
Bristol.....	KEGC	300, 600	PG	Coastwise Trade Co.	Do.
Broad Arrow.....	KSY	300, 450, 600	PG	Standard Transportation Co.	Do.
Brockton.....	KNH	300, 600	PG	Colonial Navigation Co.	I. R. T. Co.
Bromela.....	KRAI	300, 600	PG	U. S. S. B.....	R. C. of A.
Brompton.....	KRAO	300, 600	PG	.....do.....	Do.
Broncho.....	KRAU	300, 600	PG	.....do.....	Do.
Brookdale.....	WNUO	300, 600	PG	.....do.....	S. O. R. S.
Brookline.....	KURT	300, 600	PG	.....do.....	Do.
Brookside.....	KEZS	300, 600	PG	.....do.....	Do.
Brookwood.....	KRUE	300, 600	PG	.....do.....	R. C. of A.
Broxton.....	KDAL	300, 600	PG	.....do.....	Do.
Brynhilda.....	KIO	300, 450, 600	PG	Cosmopolitan Shipping Co.	Do.
Buccaneer.....	KFO	300, 600	PG	Freeport & Tampico Fuel Oil Transport Co.	Do.
Buckhannon.....	KELG	300, 600	PG	Robinson Shipping Co.	I. W. T. Co.
Buckhorn.....	WXIO	300, 600	PG	U. S. S. B.....	Do.
Buffalo Bridge.....	KIZF	300, 600	PG	.....do.....	Do.
Bugaya.....	WQOU	300, 600	PG	.....do.....	R. C. of A.
Buhisan.....	WVII	300, 600	PG	.....do.....	S. O. R. S.
Bulana.....	WJUU	300, 600	PG	.....do.....	Do.
Burmont.....	WZIE	.....	.....	.....	.....
Burnham.....	WZII	.....	.....	.....	.....
Burnside.....	WGII	300, 600	PG	U. S. S. B.....	R. C. of A.
Burnwell.....	KIMS	300, 600	PG	.....do.....	Do.
Burnwood.....	KEPC	.....	.....	.....	.....
Bushong.....	KJB	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Bushrod.....	KICB	300, 600	PG	.....do.....	S. O. R. S.
Butte.....	KICC	300, 600	PG	.....do.....	Do.
Buttercup.....	KIJT	300, 600	PG	.....do.....	I. W. T. Co.
Butterfield.....	KIJS	300, 600	PG	.....do.....	S. O. R. S.
Buttonwood.....	KLB	300, 600	PG	.....do.....	R. C. of A.
Byfield.....	KIBZ	300, 600	PG	.....do.....	S. O. R. S.
Bylavl.....	KSOU	300, 600	PG	Pocahontas Fuel Co.	R. C. of A.
Cabegon.....	KEQJ	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Cabeza.....	KKEA	300, 600	PG	.....do.....	R. C. of A.
Cabrilie.....	KENS	300, 450, 600	PG	.....do.....	Do.
Cabrillo.....	WBV	300, 600	PG	Wilmington Transportation Co.	Do.
Cabura.....	KQAA	300, 600	PG	U. S. S. B.....	S. O. R. S.
C. A. Canfield.....	WIH	300, 450, 600	PG	Pan-American Petroleum & Transport Co.	R. C. of A.
Cacique.....	WBE	300, 450, 600	PG	Grace S. S. Co.....	Do.
Cadareta.....	WLOO	300, 600	PG	U. S. S. B.....	S. O. R. S.
Caddo.....	SKK	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Caddopeak.....	WPUE	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Cajacet.....	KUDL	300, 600	PG	.....do.....	Do.
Calala.....	KQAO	300, 600	PG	.....do.....	Do.
Calamares.....	KLC	300, 600	PG	United Fruit Co.	T. R. T. Co.
Calaveras.....	KXIE	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Caldas.....	KOQV	300, 600	PG	Caribbean S. S. Co.	R. C. of A.
Calicrock.....	KXII	300, 600	PG	U. S. S. B.....	I. W. T. Co.
California.....	KYQ	300, 600	PG	Clara B. Stocker	R. C. of A.
Calispell.....	KXIO	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Callabasas.....	WPUI	300, 600	PG	Callabasas S. S. Corp.	R. C. of A.
Callao.....	WHF	300, 600	PG	Bark Callao Corp.	I. W. T. Co.
Callao.....	KEQS	300, 600	PG	U. S. S. B.....	Owner of vessel.
Callooh.....	KPEE	300, 600	PG	.....do.....	I. W. T. Co.
Calno.....	KINV	300, 600	PG	.....do.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Caloria.....	KSP	300, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Calvert.....	WTUI	300, 600	PG	U. S. S. B.....	Do.
Calvin Austin.....	KRN	300, 600	PG	Eastern S. S. Lines.....	Do.
Camaguey.....	KWI	300, 450, 600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Cambridge.....	KGR	300, 550, 600	PG	New York & New Orleans S. S. Co.	I. R. T. Co.
Cambridge.....	KIRR	300, 600	PG	U. S. S. B.....	R. C. of A.
Camden.....	KRC	300, 600	PG	Eastern S. S. Lines.....	Do.
Campello.....	WTAU	300, 600	PG	Robinson Shipping Co.	I. W. T. Co.
Canaveral.....	WTEA			U. S. S. B.....	
Canco.....	KUTP	300, 600	P	American Can Co.	Owner of vessel.
Canibas.....	WQEÜ	300, 450, 600	PG	U. S. S. B.....	R. C. of A.
Canoga.....	WKZ	300, 600	PG	.....do.....	S. O. R. S.
Canusumset.....	KIJD	300, 600	PG	.....do.....	Do.
Cape Cod.....	KPW	300, 600	PG	Whitehall Transportation Co.	R. C. of A.
Cape Henry.....	KMIE	300, 600	PG	U. S. S. B.....	S. O. R. S.
Cape May.....	WDOI	300, 600	PG	.....do.....	I. W. T. Co.
Cape Roman.....	KREA	300, 600	PG	.....do.....	Do.
Capillo.....	KUPN	300, 600	PG	.....do.....	Do.
Capines.....	KSAI	300, 600	PG	.....do.....	Do.
Capital of Nebraska.....	KUSF	300, 600	PG	.....do.....	S. O. R. S.
Caponka.....	WCAO	300, 600	PG	.....do.....	R. C. of A.
Captain A. F. Lucas.....	WTV	300, 450, 600	PG	Standard Oil Co. of Calif.	S. O. R. S.
Capulin.....	KUZR	300, 600	PG	U. S. S. B.....	S. O. R. S.
Caracas.....	KDB	300, 450, 600	PG	Atlantic & Caribbean Steam Navigation Co.	R. C. of A.
Cardonia.....	KUVV	300, 600	PG	U. S. S. B.....	S. O. R. S.
Carib.....	KJIU	300, 600	PG	Atlantic, Gulf & West Indies S. S. Lines.	Owner of vessel.
Carib.....	KMIA	300, 600	PG	Carib S. S. Co.....	R. C. of A.
Carib.....	KUZX	300, 600	PG	Carib Trading Co.....	S. O. R. S.
Caribbean.....	KGUE	300, 600	PG	Panama R. R. Co.....	Do.
Caribou.....	WSIA	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Carl D. Bradley.....	WGN	300, 600	PG	Bradley Transportation Co.	R. C. of A.
Carolina.....	WFE	300, 600	PG	Goodrich Transit Co.	Do.
Carolinian.....	KJF	300, 600	PG	Garland S. S. Corp.....	Do.
Carolyn.....	KZG	300, 600	PG	A. H. Bull S. S. Co.	I. W. T. Co.
Carrillo.....	KDE	300, 600	PG	United Fruit Co.	T. R. T. Co.
Cartago.....	KDD	300, 600	PG	.....do.....	Do.
Cartona.....	KUFL	300, 450, 600	PG	U. S. S. B.....	S. O. R. S.
Cascade.....	WPUO	300, 600	PG	.....do.....	I. W. T. Co.
Casco.....	WCP	300, 600	PG	.....do.....	Do.
Casey.....	KOQJ	300, 600	PG	.....do.....	Do.
Casiana.....	KYE	300, 600	PG	Edward L. Doheny.....	R. C. of A.
Casmalia.....	WSII	300, 600	PG	U. S. S. B.....	S. O. R. S.
C. A. Smith.....	WEL	300, 600	PG	Coos Bay Lumber Co.	Owner of vessel.
C. A. Snider.....	KRR	300, 450, 600	PG	Vacuum Oil Co.	S. O. R. S.
Casper.....	KIRX	300, 600	PG	U. S. S. B.....	R. C. of A.
Castle Point.....	KESD	300, 600	PG	.....do.....	I. W. T. Co.
Castle Town.....	KOF	300, 600	PG	.....do.....	R. C. of A.
Castle Wood.....	KEKQ	300, 600	PG	.....do.....	I. W. T. Co.
Catawba.....	KVEE	300, 600	PG	.....do.....	R. C. of A.
Catherine D.....	KMAI	300, 450, 550, 600	PG	Pacific American Fisheries.	S. O. R. S.
Cathlamet.....	KOLP	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Cathwood.....	KURC	300, 450, 600	PG	.....do.....	Do.
Cauto.....	KWF	300, 450, 600	PG	New York & Cuba Mail S. S. Co.	Do.
Cawker.....	KECF	300, 600	PG	U. S. S. B.....	R. C. of A.
Cayo Mambi.....	KUZZ			Baltimore Dry Dock & S. B. Co.	
Cecil County.....	KERZ	300, 600	PG	.....do.....	
Cedar Spring.....	WTEE	300, 450, 600	PG	U. S. S. B.....	Do.
Celilo.....	WMF	300, 600	PG	Celilo S. S. Co.	Do.
Centaurus.....	KOPZ	300, 600	PG	Nafra Co.....	Do.
Central American.....	WKOU	300, 600	PG	Texas Co.....	Do.
Centralia.....	WSN	300, 600	PG	Gulf Mail S. S. Co.	Do.
Ceralvo.....	WTEI	300, 600	PG	U. S. S. B.....	S. O. R. S.
Cerosco.....	WTEO	300, 600	PG	.....do.....	R. C. of A.
Cerro Gordo.....	KEFK	300, 450, 600	PG	.....do.....	S. O. R. S.
Cethana.....	KORG	300, 440, 520, 600	PG	J. E. Chilberg.....	Do.
Challamba.....	KORJ	300, 600	PG	.....do.....	

## 18 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Challenger.....	WNII	300,600	PG	U. S. S. B.....	I. W. T. Co.
Chalmette.....	KKC	300,450,600	PG	Southern Pacific S. S. Co.	R. C. of A.
Chamberino.....	KEFL	300,600	PG	U. S. S. B.....	S. O. R. S.
Chamblee.....	KEGG	300,600	PG	.....do.....	Do.
Champion.....	KIXV	300,600	PG	Atlantic Transport Co.	I. W. T. Co.
Chancook.....	KOFJ	300,600	PG	U. S. S. B.....	Do.
Chantier.....	KEGK	300,600	PG	.....do.....	R. C. of A.
Chaparel.....	KEGJ	300,600	PG	.....do.....	I. W. T. Co.
Chappaqua.....	KURF	300,450,600	PG	.....do.....	Do.
Chappell.....	KEVS	300,600	PG	.....do.....	R. C. of A.
Charles Braley.....	KVP	300,450,600	PG	Cuba Distilling Co.	I. W. T. Co.
Charles E. Harwood.....	WID	300,450,600	PG	Pan-American Petroleum & Transport Co.	Do.
Charles M. Everest.....	WPOU	300,600	PG	Vacuum Oil Co.	Do.
Charles O. Jenkins.....	WFT	300,600	PG	Jenkins S. S. Co.	Do.
Charles Pratt.....	KSQ	300,450,600	PG	Standard Oil Co. of N. J.	Do.
Charlot.....	WMUI	300,600	PG	U. S. S. B.....	I. W. T. Co.
Charlton Hall.....	KLU	300,600	PG	U. S. Steel Products Co.	R. C. of A.
Chattanooga.....	KIDN	300,600	PG	U. S. S. B.....	Do.
Chautauqua.....	KIFK	300,600	PG	.....do.....	Do.
Chebaulip.....	KJAA	300,600	PG	.....do.....	Do.
Chelan.....	WCAU	.....	.....	.....do.....	Do.
Chepadoa.....	KOFL	300,600	PG	.....do.....	Do.
Cherokee.....	KVK	300,450,600	PG	Clyde S. S. Co.	I. W. T. Co.
Cheron.....	KNII	300,600	PG	U. S. S. B.....	R. C. of A.
Chester Sun.....	WAS	300,600	PG	Sun Co.	S. O. R. S.
Chester Valley.....	KOST	300,600	PG	U. S. S. B.....	I. R. T. Co.
Chester W. Chapin.....	KXQ	300,550,600	PG	New England S. S. Co.	S. O. R. S.
Chestnut Hill.....	KVGE	300,600	PG	U. S. S. B.....	Do.
Chetopa.....	KCAE	300,600	PG	.....do.....	Do.
Chibaiobs.....	WPOE	300,600	PG	.....do.....	Do.
Chicago.....	WAC	300,600	PG	Booth Fisheries Co.	Do.
Chicago Bridge.....	KECG	300,600	PG	U. S. S. B.....	Do.
Chickamauga.....	KULC	300,600	PG	.....do.....	R. C. of A.
Chickasaw.....	KOJR	300,600	PG	.....do.....	I. W. T. Co.
Chickasaw City.....	KUNZ	300,600	PG	U. S. Steel Products Co.	Do.
Chicomico.....	KOLS	300,600	PG	U. S. S. B.....	R. C. of A.
Chimo.....	KKOO	300,600	PG	.....do.....	Do.
China.....	WWA	300,450,600	PG	China Mail S. S. Co.	Do.
Chinampa.....	KSC	300,450,600	PG	Standard Oil Co. of N. J.	Do.
Chinchia.....	KJZ	300,450,600	PG	Green Star S. S. Corp.	Do.
Chipchung.....	WBIA	300,600	PG	U. S. S. B.....	I. W. T. Co.
Christabel.....	KUTN	300,600	PG	Savannah Bar Pilots	R. C. of A.
Christopher Columbus.....	WFJ	300,600	PG	Goodrich Transit Co.	Do.
Circenus.....	KOPK	300,600	PG	Nafra Co.	S. O. R. S.
City of Alameda.....	KUCQ	300,600	PG	U. S. S. B.....	Do.
City of Alma.....	KUBP	300,600	PG	.....do.....	R. C. of A.
City of Alpena II.....	WEH	300,600	PG	Detroit & Cleveland Nav. Co.	Do.
City of Alton.....	KONZ	300,600	PG	U. S. S. B.....	S. O. R. S.
City of Atlanta.....	KFB	300,450,600	PG	Ocean S. S. Co.	R. C. of A.
City of Augusta.....	KFJ	300,450,600	PG	.....do.....	Do.
City of Bangor.....	KRH	300,600	PG	Eastern S. S. Lines.	Do.
City of Benton Harbor.....	WDV	300,600	PG	Graham & Morton Transp. Co.	Do.
City of Berkeley.....	KOZQ	300,600	PG	U. S. S. B.....	Do.
City of Brockton.....	KXO	300,600	PG	New England S. S. Co.	I. R. T. Co.
City of Buffalo.....	WFQ	300,600	PG	Cleveland & Buffalo Transit Co.	R. C. of A.
City of Cleveland III.....	WEA	300,450,600	PG	Detroit & Cleveland Nav. Co.	Do.
City of Columbus.....	KFA	300,450,600	PG	Ocean S. S. Co.	Do.
City of Detroit II.....	WEC	300,600	PG	Detroit & Cleveland Nav. Co.	Do.
City of Detroit III.....	WEF	300,450,600	PG	.....do.....	Do.
City of Erie.....	WFP	300,600	PG	Cleveland & Buffalo Transit Co.	Do.
City of Eureka.....	KEFT	300,600	PG	U. S. S. B.....	I. W. T. Co.
City of Everett.....	KTQ	300,600	PG	Standard Oil Co. of N. Y.	Do.
City of Fairbury.....	KISR	300,450,600	PG	U. S. S. B.....	S. O. R. S.
City of Flint.....	KUCV	300,450,600	PG	.....do.....	Do.
City of Freeport.....	KESV	300,600	PG	.....do.....	R. C. of A.
City of Grand Rapids.....	WDS	300,600	PG	Graham & Morton Transp. Co.	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
City of Joliet.....	KUJR	300, 600	PG	U. S. S. B.....	I. W. T. Co.
City of Lordsburg.....	KUTK	300, 600	PG	.....do.....	I. R. T. Co.
City of Lowell.....	KXB	300, 550, 600	PG	New England S. S. Co.	R. C. of A.
City of Mackinac II.....	WEB	300, 600	PG	Detroit & Cleveland Nav. Co.	S. O. R. S.
City of Miami.....	WDI	300, 600	PG	Havana-American S. S. Corp.	R. C. of A.
City of Montgomery.....	KFY	300, 450, 600	PG	Ocean S. S. Co.....	I. W. T. Co.
City of Omaha.....	KOZB	300, 600	PG	U. S. S. B.....	F. T. Co.
City of Para.....	WWF	300, 600	PG	Pacific Mail S. S. Co.	R. C. of A.
City of Puebla.....	WGQ	300, 600	PG	City of Puebla Corp.	S. O. R. S.
City of Reno.....	KUSK	300, 600	PG	U. S. S. B.....	R. C. of A.
City of Rockland.....	KRI	300, 600	PG	Eastern S. S. Lines	Do.
City of Rome.....	KQZ	300, 450, 600	PG	Ocean S. S. Co.....	Do.
City of Savannah.....	KFK	300, 450, 600	PG	.....do.....	Do.
City of Seattle.....	WGA	300, 600	PG	Pacific Coast Co.	Do.
City of Sherman.....	KUCS	300, 600	PG	Pensacola S. B. Co.	Do.
City of Spokane.....	KILL	300, 600	PG	U. S. S. B.....	S. O. R. S.
City of St. Ignace.....	WEG	300, 600	PG	Detroit & Cleveland Nav. Co.	R. C. of A.
City of St. Joseph.....	KOSM	300, 600	PG	U. S. S. B.....	I. W. T. Co.
City of St. Louis.....	KFX	300, 450, 600	PG	Ocean S. S. Co.....	R. C. of A.
City of Sydney.....	KKEI	300, 600	PG	L. A. Pederson	I. R. T. Co.
City of Taunton.....	KXL	300, 550, 600	PG	New England S. S. Co.	R. C. of A.
City of Topeka.....	WGY	300, 600	PG	Pacific S. S. Co.....	Do.
City of Vernon.....	KUNS	300, 450, 600	PG	U. S. S. B.....	Do.
City of Weatherford.....	KUVC	300, 600	PG	.....do.....	Do.
Clackamas.....	KQEAA	300, 600	PG	.....do.....	Do.
Clairston.....	KIKR	300, 600	PG	.....do.....	I. W. T. Co.
Clare.....	KNE	300, 600	PG	A. H. Bull S. S. Co.	Owner of vessel.
Claremont.....	KUBD	300, 600	PG	W. H. Wood.....	I. W. T. Co.
Clark Mills.....	KOCQ	300, 600	PG	U. S. S. B.....	R. C. of A.
Clarksburg.....	KOVP	300, 600	PG	Coastwise Transporta- tion Co.	I. W. T. Co.
Clauseus.....	KOQB	300, 600	PG	Green Star S. S. Corp.	Do.
Clavarack.....	KOLL	300, 600	PG	U. S. S. B.....	Do.
Clearwater.....	KUGD	300, 600	PG	.....do.....	I. W. T. Co.
Clemence C. Morse.....	KUGG	300, 600	PG	.....do.....	R. C. of A.
Clemens A. Reiss.....	WNH	300, 600	PG	Reiss S. S. Co.....	Do.
Cleopatra.....	KIQL	300, 600	PG	U. S. S. B.....	Owner of vessel.
Cletus Schneider.....	KMEO	300, 600	PG	Paisley S. S. Co.....	S. O. R. S.
Cliffwood.....	KORX	300, 600	PG	U. S. S. B.....	R. C. of A.
Clincho.....	KENX	300, 600	PG	.....do.....	I. W. T. Co.
Clio.....	KIKZ	300, 600	PG	Pacific-American Fisheries.	Do.
Clodia.....	KILB	300, 378, 600	PG	U. S. S. B.....	S. O. R. S.
Clontarf.....	KUDP	300, 600	PG	.....do.....	Do.
Coahoma County.....	KOMP	300, 600	PG	.....do.....	Do.
Coalinga.....	WOT	300, 600, 1800	PG	Union S. S. Co.	F. T. Co.
Coamo.....	KGA	300, 450, 600	PG	New York & Porto Rico S. S. Co.	I. W. T. Co.
Coastwise.....	KUZ	300, 600	PG	Neptune Line.....	R. C. of A.
Coaxet.....	WPUU	300, 425, 600	PG	U. S. S. B.....	I. W. T. Co.
Cochin.....	KELR	300, 600	PG	.....do.....	S. O. R. S.
Cockaponset.....	KOFN	300, 600	PG	.....do.....	R. C. of A.
Coconino.....	WMIA	300, 600	PG	.....do.....	Do.
Cocopa.....	WXAI	300, 600	PG	.....do.....	S. O. R. S.
Coledza.....	KOVV	300, 600	PG	.....do.....	R. C. of A.
Coeur D'Alene.....	KOVT	300, 600	PG	.....do.....	S. O. R. S.
Cohasset.....	WJUI	300, 600	PG	.....do.....	Do.
Cokato.....	WMUE	300, 600	PG	.....do.....	I. W. T. Co.
Cokesit.....	WQUA	300, 600	PG	.....do.....	Do.
Coldbrook.....	KOQK	300, 600	PG	.....do.....	S. O. R. S.
Cold Harbor.....	KUBB	300, 600	PG	.....do.....	R. C. of A.
Cold Spring.....	KIQK	300, 600	PG	.....do.....	S. O. R. S.
Coldwater.....	KUCX	300, 600	PG	.....do.....	R. C. of A.
Col. E. L. Drake.....	WTS	300, 450, 600	PG	Standard Oil Co. of Calif.	I. W. T. Co.
Colindo.....	KSUI	300, 600	PG	U. S. S. B.....	R. C. of A.
Collamer.....	KOZZ	300, 600	PG	.....do.....	S. O. R. S.
Collingsworth.....	KUKX	300, 600	PG	.....do.....	Do.
Coloma.....	KNIU	300, 600	PG	.....do.....	F. T. Co.
Colombia.....	WBH	300, 600, 1800	PG	Pacific Mail S. S. Co.	Owner of vessel.
Colon.....	KMX	300, 450, 600	PG	Panama R. R. Co.	I. W. T. Co.
Colorado Springs.....	KILK	300, 600	PG	U. S. S. B.....	Do.
Colthrops.....	KUMR	300, 450, 600	PG	.....do.....	Owner of vessel.
Columbia.....	WHC	300, 430, 600	PG	New Orleans & South American S. S. Co.	S. O. R. S.
Columbine.....	WLOI	300, 600	PG	U. S. S. B.....	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Colusa.....	WIN	300, 600	PG	Grace S. S. Co.....	R. C. of A.
Comal.....	KEM	300, 450, 600	PG	Mallory S. S. Co.....	I. W. T. Co.
Comanche.....	KVC	300, 600	PG	Clyde S. S. Co.....	Do.
Comerant.....	KUMQ	300, 600	PG	U. S. S. B.....	S. O. R. S.
Comet.....	KTJ	300, 450, 600	PG	Standard Oil Co. of N. Y.	R. C. of A.
Commack.....	KULT	300, 450, 600	PG	U. S. S. B.....	I. W. T. Co.
Commissioner.....	KOGZ				
Commonwealth.....	KXC	300, 550, 600	PG	New England S. S. Co.	I. R. T. Co.
Communipaw.....	KOE	300, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Comus.....	KKD	300, 450, 600	PG	Southern Pacific Co.	Do.
Concho.....	KEC	300, 450, 600	PG	Mallory S. S. Co.....	I. W. T. Co.
Concord.....	KNC	300, 550, 600	PG	Colonial Navigation Co.	I. R. T. Co.
Conehatta.....	KUQQ	300, 600	PG	U. S. S. B.....	R. C. of A.
Conejos.....	KUKT	300, 450, 600	PG	.....do.....	Do.
Conewago.....	KISB	300, 600	PG	.....do.....	Do.
Congaree.....	WVEA	300, 600	PG	.....do.....	I. W. T. Co.
Conneaut.....	WCU	300, 600	PG	Gulf Refining Co.	R. C. of A.
Connersville.....	WKO0	300, 600	PG	U. S. S. B.....	S. O. R. S.
Conness Peak.....	KUPL	300, 450, 600	PG	.....do.....	I. W. T. Co.
Conotton.....	WVAO	300, 600	PG	.....do.....	Do.
Conshohocken.....	KUGV	300, 450, 600	PG	.....do.....	R. C. of A.
Consort.....	KDOI	300, 600	PG	.....do.....	I. W. T. Co.
Continental Bridge.....	KOCP	300, 600	PG	.....do.....	R. C. of A.
Contoocook.....	WVAU	300, 600	PG	.....do.....	Do.
Cook.....	KOFX	300, 600	PG	.....do.....	Do.
Coolcha.....	KOPS	300, 450, 525 600	PG	J. E. Chilberg.....	S. O. R. S.
Coosa.....	WLF	300, 450, 600	PG	U. S. S. B.....	I. W. T. Co.
Coot.....	KUJM	300, 600	PG	East Coast Fisheries Co.	
Copalgrove.....	KEFJ	300, 600	PG	U. S. S. B.....	Do.
Coperas.....	WTEU	300, 600	PG	.....do.....	S. O. R. S.
Copename.....	KDF	300, 600	PG	United Fruit Co.	T. R. T. Co.
Coquina.....	WVA0	300, 600	PG	U. S. S. B.....	R. C. of A.
Coquitt.....	KOFZ	300, 600	PG	.....do.....	I. W. T. Co.
Cora F. Cressy.....	KSZ	300, 450, 600	PG	France & Canada S. S. Co.	R. C. of A.
Corapeak.....	WVAE	300, 600	PG	U. S. S. B.....	Do.
Corcoran.....	WVAI	300, 600	PG	.....do.....	S. O. R. S.
Cordova.....	WAR	300, 600	PG	Alaska S. S. Co.	Do.
Cornelia.....	KZD	300, 600	PG	Bull Insular S. S. Co.	I. W. T. Co.
Corning.....	KIH	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Cornucopia.....	WNIU	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Coronado.....	WFZ	300, 600	PG	.....do.....	R. C. of A.
Corone.....	KUFM	300, 450, 600	PG	.....do.....	Do.
Corozal.....	KQIA	300, 600	PG	New York & Porto Rico S. S. Co.	I. W. T. Co.
Corrales.....	WPIE	300, 600	PG	U. S. S. B.....	S. O. R. S.
Corsair.....	KYC	300, 440, 600	PG	J. P. Morgan.....	R. C. of A.
Corsicana.....	WPII	300, 600	PG	U. S. S. B.....	Do.
Corson.....	KIQV	300, 600	PG	.....do.....	Do.
Corvallis.....	KIBT	300, 600	PG	.....do.....	S. O. R. S.
Corvus.....	KOPL	300, 450, 600	PG	Nafra Co.	R. C. of A.
Coskata.....	KOMZ	300, 600	PG	U. S. S. B.....	S. O. R. S.
Costa Rica.....	WQI	300, 600	PG	L. A. Pedersen.....	Owner of vessel.
Costigan.....	KINF	300, 600	PG	U. S. S. B.....	S. O. R. S.
Costilla.....	WMEA	300, 600	PG	.....do.....	I. W. T. Co.
Cotati.....	KIQF	300, 600	PG	.....do.....	Do.
Cote Blanche.....	WMEE	300, 600	PG	.....do.....	S. O. R. S.
Cotopaxi.....	WMEI	300, 600	PG	Clinchfield Navigation Co.	R. C. of A.
Cotteral.....	WCEA	300, 600	PG	U. S. S. B.....	S. O. R. S.
Cottonplant.....	WMEO	300, 600	PG	.....do.....	Do.
Cottonwood.....	WMEU	300, 600	PG	.....do.....	Do.
Coulee.....	WTOU	300, 600	PG	.....do.....	I. W. T. Co.
Coulter.....	WQAO	300, 600	PG	.....do.....	S. O. R. S.
Council Bluffs.....	WVOA	300, 600	PG	.....do.....	R. C. of A.
Couparle.....	WVOE	300, 600	PG	.....do.....	Do.
Courageous.....	WVUA	300, 600	PG	.....do.....	I. W. T. Co.
Courtois.....	WVOI	300, 600	PG	.....do.....	R. C. of A.
Coushatta.....	WVOO	300, 600	PG	.....do.....	I. W. T. Co.
Coutolene.....	WVOU	300, 600	PG	.....do.....	Do.
Covalt.....	KEMM	300, 600	PG	.....do.....	R. C. of A.
Covedale.....	KEMN	300, 450, 600	PG	.....do.....	Do.
Covenia.....	KEMP	300, 450, 600	PG	.....do.....	Do.

## RADIO STATIONS OF THE UNITED STATES.

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## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Coverun.....	KENM	300, 600	PG	U. S. S. B .....	R. C. of A.
Cowan.....	KENN	300, 600	PG	.....do.....	Do.
Cowanshannock.....	WMAE	300, 450, 600	PG	.....do.....	S. O. R. S.
Cowardin.....	KESL	300, 450, 600	PG	Nacirema S. S. Corp.	R. C. of A.
Cowboy.....	WMAI	300, 600	PG	U. S. S. B.....	S. O. R. S.
Cowee.....	WNEU	300, 450, 600	PG	.....do.....	I. W. T. Co.
Coweta.....	WNEA	300, 600	PG	.....do.....	R. C. of A.
Cowiche.....	WXOA	300, 450, 600	PG	.....do.....	Do.
Coyote.....	KXUU	300, 600	PG	American S. S. Corp.	Do.
Crabtree.....	WXOE	300, 600	PG	U. S. S. B.....	Do.
Craftsman.....	KIBR	300, 600	PG	.....do.....	I. W. T. Co.
Craigrownie.....	WXOI	300, 600	PG	.....do.....	S. O. R. S.
Craigmere.....	WXOO	300, 600	PG	.....do.....	R. C. of A.
Craincreek.....	WNAA	300, 600	PG	.....do.....	I. W. T. Co.
Cranenest.....	WNAE	300, 600	PG	.....do.....	Do.
Cranford.....	KOLX	300, 600	PG	.....do.....	R. C. of A.
Craster Hall.....	KLK	300, 600	PG	U. S. Steel Products Co.	I. W. T. Co.
Crathorne.....	WSOO	300, 600	PG	U. S. S. B.....	R. C. of A.
Crawl Keys.....	WDEI	300, 600	PG	.....do.....	S. O. R. S.
Craycroft.....	WNAI	300, 600	PG	.....do.....	R. C. of A.
Creole.....	KKR	300, 450, 600	PG	Southern Pacific Co.	I. W. T. Co.
Cresap.....	KRUUA	300, 600	PG	U. S. S. B.....	S. O. R. S.
Cretan.....	KQC	300, 450, 600	PG	Merchants & Miners Transpn. Co.	I. W. T. Co.
Cricket.....	WSEI	300, 450, 600	PG	Cricket S. S. Co.....	S. O. R. S.
Cripple Creek.....	KOJL	300, 376, 600	PG	U. S. S. B.....	Do.
Cristfeld.....	KOKP	300, 600	PG	.....do.....	I. W. T. Co.
Cristina.....	KUZB	300, 450, 600	PG	Vincent Astor.....	R. C. of A.
Cristobal.....	KMD	300, 450, 600	PG	Panama R. R. Co.	Owner of vessel.
Crofton Hall.....	KLR	300, 450, 600	PG	U. S. Steel Products Co	R. C. of A.
Cross Keys.....	KOTD	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Crown City.....	KUSP	300, 600	PG	.....do.....	R. C. of A.
Crudoil.....	KUQD	300, 600	PG	Pan-American Petroleum & Transport Co.	Do.
Cruso.....	WNIA	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Cuba.....	WQU	300, 600	PG	Pacific Mail S. S. Co.	F. T. Co.
Cubore.....	KUPP	300, 600	PG	Ore S. S. Corporation	R. C. of A.
Culburra.....	KOZR	300, 600	PG	J. E. Chilberg.....	Do.
Cumberland.....	WKOI	300, 600	PG	U. S. S. B.....	Owner of vessel.
Curacao.....	WGK	300, 600	PG	Pacific S. S. Co.....	I. W. T. Co.
Curlew.....	KOSZ	300, 450, 600	PG	Curlew Co.....	S. O. R. S.
Currier.....	KNU	300, 450, 600	PG	Gulf Refining Co.....	R. C. of A.
Cushnet.....	KONB	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Cushnoc.....	KIMJ	300, 450, 600	PG	.....do.....	S. O. R. S.
Custodian.....	KIVZ	300, 600	PG	.....do.....	R. C. of A.
Cuttjhunk.....	KONC	300, 600	PG	.....do.....	I. W. T. Co.
Cuyamaca.....	KUXD	300, 600	PG	.....do.....	R. C. of A.
Daca.....	KKIA	300, 600	PG	.....do.....	I. W. T. Co.
Dade County.....	KIJZ	300, 600	PG	.....do.....	Owner of vessel.
Dakotan.....	WKD	300, 600	PG	American - Hawaiian S. S. Co.	R. C. of A.
Dalana.....	KQAU	300, 600	PG	Nacirema S. S. Corp.	R. C. of A.
Dalgada.....	KEDC	300, 600	PG	U. S. S. B.....	S. O. R. S.
Dallas.....	KEQB	300, 600	PG	.....do.....	R. C. of A.
Damacan.....	KELS	300, 600	PG	.....do.....	Do.
Damuru.....	KPEO	300, 600	PG	.....do.....	I. W. T. Co.
Dancey.....	WSAA	300, 600	PG	.....do.....	R. C. of A.
Danebrog.....	WXAO	300, 600	PG	.....do.....	I. W. T. Co.
Daniel Webster.....	KOKM	300, 600	PG	.....do.....	R. C. of A.
Dannedaike.....	KOPD	300, 450, 600	PG	.....do.....	Do.
Danvers.....	KOSK	300, 600	PG	U. S. S. B.....	S. O. R. S.
Danville.....	KOSJ	300, 600	PG	.....do.....	Do.
D'Arbonne.....	KESX	300, 600	PG	.....do.....	S. O. R. S.
Dardania.....	KICD	300, 600	PG	.....do.....	Do.
Darden.....	KUPK	300, 600	PG	.....do.....	Owner of vessel.
Dardora.....	KELT	300, 600	PG	U. S. S. B.....	S. O. R. S.
Darien.....	KULG	300, 600	PG	.....do.....	I. W. T. Co.
Darah.....	WZIA	300, 600	PG	.....do.....	R. C. of A.
Datis.....	KICF	300, 600	PG	.....do.....	S. O. R. S.
Damperata.....	KIZJ	300, 600	PG	J. O. Davenport.....	R. C. of A.
Davenport.....	KUDR	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Davison County.....	KINX	300, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Dawnlite.....	KPP	300, 450, 600	PG	.....do.....	Do.
Daylite.....	KPR	300, 450, 600	PG	.....do.....	Do.
Dayton.....	KNP	300, 450, 600	PG	.....do.....	S. O. R. S.
Decatur Bridge.....	KECJ	300, 600	PG	U. S. S. B.....	R. C. of A.
Deepwater.....	KLY	300, 450, 600	PG	Castner, Curran & Bullitt.	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Deerfield.....	WTIU	300, 600	PG	U. S. S. B.....	
Deer Lodge.....	KIMD	300, 600	PG	.....do.....	S. O. R. S.
Defiance.....	WSEA	300, 600	PG	.....do.....	I. W. T. Co.
Delanson.....	KOTX	300, 600	PG	.....do.....	R. C. of A.
Delavan.....	KIRQ	300, 600	PG	.....do.....	I. W. T. Co.
Delco.....	KIZB	300, 600	PG	.....do.....	Do.
Delfina.....	KIVS	300, 600	PG	U. S. S. B.....	R. C. of A.
Delight.....	KQOE	300, 600	PG	.....do.....	S. O. R. S.
Delisle.....	KIVT	300, 600	PG	.....do.....	Do.
Dellwood.....	KUBZ	300, 600	PG	.....do.....	I. W. T. Co.
Delphine.....	KIFL	300, 450, 600	PG	H. E. Dodge.....	R. C. of A.
Delrosa.....	KUTG	300, 600	PG	U. S. S. B.....	Do.
Democracy.....	WAQ	300, 600	PG	.....do.....	S. O. R. S.
Deranof.....	KQIO	300, 600	PG	.....do.....	I. W. T. Co.
Derbyline.....	KIRT	300, 600	PG	.....do.....	R. C. of A.
Deroche.....	KOBJ	300, 600	PG	.....do.....	I. W. T. Co.
Dertona.....	KICG	300, 600	PG	.....do.....	R. C. of A.
Des Moines Bridge.....	KUCG	300, 600	PG	.....do.....	I. W. T. Co.
De Soto.....	KNI	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Detroit-Wayne.....	KONX	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Deuel.....	KOMD	300, 600	PG	.....do.....	S. O. R. S.
Deva.....	KICK	300, 600	PG	.....do.....	I. W. T. Co.
Devolente.....	KIVR	300, 600	PG	.....do.....	Do.
Dewey.....	KODT	300, 450, 600	PG	.....do.....	Do.
D. G. Scofield.....	WRD	300, 450, 600,	1, 800	Standard Oil Co. of Calif.	R. C. of A.
Diablo.....	KEPD	300, 600	PG	U. S. S. B.....	S. O. R. S.
Diana.....	KICJ	300, 600	PG	.....do.....	I. W. T. Co.
Dillwyn.....	KODX	300, 600	PG	.....do.....	R. C. of A.
Dilworth.....	KOJV	300, 450, 600	PG	.....do.....	S. O. R. S.
Dio.....	WNEO	300, 600	PG	.....do.....	I. W. T. Co.
Director.....	KIGJ	300, 600	PG	.....do.....	Do.
Dirigo.....	KEGM	300, 600	PG	.....do.....	Do.
Dochet.....	KIMR	300, 600	PG	.....do.....	S. O. R. S.
Dochra.....	KGL	300, 450, 600	PG	Barber & Co.....	R. C. of A.
Domingo Nazaral I.....	KUVN	300, 600	PG	.....	
Donald McKay.....	KULL	300, 600	PG	U. S. S. B.....	S. O. R. S.
Dora.....	WAH	300, 600	PG	N. C. Eggen.....	Owner of vessel.
Dorchester.....	KQD	300, 450, 600	PG	Merchants & Miners Transpn. Co.	I. W. T. Co.
Dorothy Bradford.....	KNA	300, 600	PG	Cape Cod S. S. Co.....	Owner of vessel.
Dorothy Palmer.....	KQW	300, 450, 600	PG	France & Canada S. S. Corp.	R. C. of A.
Doylestown.....	KIPG	300, 600	PG	U. S. S. B.....	S. O. R. S.
Dreadnought.....	WGL	300, 600	PG	Hind-Rolph & Co.....	R. C. of A.
Dryden.....	KORK	300, 600	PG	U. S. S. B.....	Do.
Dulcino.....	KTV	300, 600	PG	American Sugar Refining Co.	Do.
Dungannon.....	KUZV	300, 600	PG	U. S. S. B.....	S. O. R. S.
Dungeness.....	WPOI	300, 600	PG	.....do.....	R. C. of A.
Dunsyre.....	KUMF	300, 600	PG	Robert Dollar Co.....	
Duqueene.....	KECS	300, 600	PG	U. S. S. B.....	S. O. R. S.
Eagle.....	KIR	300, 450, 600	PG	Standard Transportation Co.	R. C. of A.
E. A. Morse.....	KOVN	300, 600	PG	U. S. S. B.....	I. W. T. Co.
East Cape.....	KENC	300, 600	PG	.....do.....	R. C. of A.
East Chicago.....	KUKD	300, 600	PG	.....do.....	S. O. R. S.
East Cliff.....	KSIA	300, 600	PG	.....do.....	
Easterling.....	KEJD	300, 600	PG	.....do.....	I. W. T. Co.
Eastern Admiral.....	KURN	300, 600	PG	.....do.....	Do.
Eastern Belle.....	KUJT	300, 600	PG	.....do.....	S. O. R. S.
Eastern Breeze.....	KOPP	300, 600	PG	.....do.....	Do.
Eastern Chief.....	KSEI	300, 600	PG	.....do.....	Do.
Eastern Cloud.....	KUSQ	300, 450, 600	PG	.....do.....	Do.
Eastern Coast.....	KURX	300, 600	PG	.....do.....	Do.
Eastern Crag.....	KUJV	300, 450, 600	PG	.....do.....	I. W. T. Co.
Eastern Cross.....	WKIU	300, 600	PG	.....do.....	S. O. R. S.
Eastern Crown.....	KUNQ	300, 600	PG	.....do.....	R. C. of A.
Eastern Dawn.....	KUQT	300, 450, 600	PG	.....do.....	Do.
Easterner.....	WGEA	300, 600	PG	.....do.....	I. W. T. Co.
Eastern Gale.....	KUDZ	300, 600	PG	.....do.....	S. O. R. S.
Eastern Glade.....	KUND	300, 450, 600	PG	.....do.....	R. C. of A.
Eastern Glen.....	KUVB	300, 450, 600	PG	.....do.....	I. W. T. Co.
Eastern Guide.....	KUCN	300, 450, 600	PG	.....do.....	Do.
Eastern King.....	WFEA	300, 600	PG	.....do.....	R. C. of A.
Eastern Knight.....	KUFB	300, 450, 600	PG	.....do.....	I. W. T. Co.
Eastern Light.....	WKII	300, 600	PG	.....do.....	Do.
Eastern Maid.....	KUTF	300, 450, 600	PG	.....do.....	R. C. of A.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Eastern Mariner.....	KUGB	300, 450, 600	PG	U. S. S. B .....	I. W. T. Co.
Eastern Merchant.....	KUKS	300, 450, 600	PG	.....do.....	R. C. of A.
Eastern Moon.....	KUDX	300, 450, 600	PG	.....do.....	I. W. T. Co.
Eastern Ocean.....	KUNF	300, 600	PG	.....do.....	S. O. R. S.
Eastern Pilot.....	KULJ	300, 450, 600	PG	.....do.....	R. C. of A.
Eastern Planet.....	KUPD	300, 450, 600	PG	.....do.....	I. W. T. Co.
Eastern Queen.....	KXUE	300, 600	PG	.....do.....	S. O. R. S.
Eastern Sailor.....	KUZT	300, 600	PG	.....do.....	I. W. T. Co.
Eastern Sea.....	KTEA	300, 450, 600	PG	.....do.....	Do.
Eastern Shore.....	WKIO	300, 600	PG	.....do.....	R. C. of A.
Eastern Star.....	KTAU	300, 600	PG	Standard S. S. Co.....	I. W. T. Co.
Eastern States.....	WEE	300, 600	PG	Detroit & Cleveland Nav. Co.	R. C. of A.
Eastern Sun.....	KTIE	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Eastern Tempest.....	KUVG	300, 450, 600	PG	.....do.....	S. O. R. S.
Eastern Trader.....	KULK	300, 450, 600	PG	.....do.....	I. W. T. Co.
Eastern Victor.....	KUNR	300, 600	PG	.....do.....	S. O. R. S.
East Indian.....	WGEI	300, 600	PG	.....do.....	Do.
Eastport.....	WCIE	300, 600	PG	.....do.....	R. C. of A.
East Side.....	KIMQ	300, 600	PG	.....do.....	I. W. T. Co.
East Wind.....	KEKB	300, 600	PG	.....do.....	Do.
Eclipse.....	KEGF	300, 600	PG	.....do.....	S. O. R. S.
E. C. Pope.....	WZAU	300, 600	PG	Inter-Coast S. S. Co.....	F. T. Co.
Ecuador.....	WBN	300, 600, 1800	PG	Pacific Mail S. S. Co.....	S. O. R. S.
Edellyn.....	KIJL	300, 600	PG	U. S. S. B.....	Do.
Edenton.....	KECB	300, 450, 530, 600	PG	.....do.....	Do.
Edgar F. Luckenbach.....	KGK	300, 450, 530, 600	PG	Luckenbach Co.....	Do.
Edgecombe.....	WQUE	300, 600	PG	U. S. S. B.....	Do.
Edgefield.....	KEBF	300, 600	PG	.....do.....	I. W. T. Co.
Edghill.....	KETN	300, 600	PG	.....do.....	R. C. of A.
Edgemont.....	KETP	300, 600	PG	.....do.....	Do.
Edgemoor.....	KEVF	300, 600	PG	.....do.....	Do.
Edgewood.....	KICM	300, 600	PG	.....do.....	S. O. R. S.
Edisto.....	KILG	300, 600	PG	.....do.....	I. W. T. Co.
Edith.....	KZF	300, 600	PG	A. H. Bull S. S. Co.....	S. O. R. S.
Editor.....	KOBG	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Edmore.....	KILJ	300, 600	PG	.....do.....	S. O. R. S.
Edna.....	KIPT	300, 600	PG	Sudden & Christensen.....	I. W. T. Co.
Edward J. Lawrence.....	KQY	300, 450, 600	PG	French Overseas Corp.....	R. C. of A.
Edward L. Doheny.....	WIE	300, 450, 600	PG	Pan-American Petroleum & Transport Co.....	Do.
Edward L. Doheny, Junior.....	WIJ	300, 450, 600	PG	.....do.....	Do.
Edward Luckenbach.....	KGQ	300, 450, 525, 600	PG	Luckenbach S. S. Co.....	S. O. R. S.
Edward Pierce.....	KMOU	300, 600	PG	Crowell & Thurlow S. S. Co.....	
Eelbeck.....	KINQ	300, 600	PG	U. S. S. B.....	R. C. of A.
Effingham.....	KOLT	300, 600	PG	.....do.....	Do.
Eifina.....	KOMT	300, 600	PG	.....do.....	Do.
E. G. Crosby.....	KURS	300, 600	PG	Chicago, Racine & Milwaukee S. S. Co.....	Do.
Eglantine.....	KOPT	300, 600	PG	U. S. S. B.....	S. O. R. S.
Egremont.....	KOQS	300, 600	PG	.....do.....	I. W. T. Co.
E. J. Earling.....	WEI	300, 600	PG	Franklin S. S. Co.....	R. C. of A.
El Alba.....	KKL	300, 450, 600	PG	Southern Pacific Co.....	Owner of vessel.
El Almirante.....	KKG	300, 450, 600	PG	.....do.....	R. C. of A.
El Capitan.....	KKH	300, 450, 600	PG	.....do.....	Do.
El Capitan.....	WNB	300, 450, 600	PG	Standard Oil Co. of N. J.	Do.
El Cid.....	KKT	300, 450, 600	PG	Southern Pacific Co.....	Do.
Eldena.....	KEVG	300, 600	PG	U. S. S. B.....	Do.
El Dia.....	KKY	300, 450, 600	PG	Southern Pacific Co.....	Owner of vessel.
E. L. Doheny, Third.....	WROO	300, 600	PG	U. S. S. B.....	
Eldora.....	KELF	300, 600	PG	.....do.....	
Eldorado.....	KMOI	300, 600	PG	Western Transport Co.....	S. O. R. S.
Eldridge.....	KICN	300, 600	PG	U. S. S. B.....	Do.
Elfay.....	KOVQ	300, 450, 600	PG	Russell A. Alger.....	
Elihu Thomson.....	KEXD	300, 600	PG	North Pacific Sea Products Co.....	
Elinor.....	KVR	300, 600	PG	U. S. S. B.....	Do.
Elkhorn.....	KOCL	300, 600	PG	.....do.....	R. C. of A.
Elkridge.....	KISG	300, 600	PG	.....do.....	Do.
Elkton.....	KOFK	300, 600	PG	.....do.....	I. W. T. Co.
Elkwater.....	KILS	300, 600	PG	.....do.....	Do.
Elmsport.....	KILF	300, 600	PG	.....do.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
El Mundo.....	KKU	300, 450, 600	PG	Southern Pacific Co. ....	R. C. of A.
El Norte.....	KKN	300, 450, 600	PG	....do.....	Do.
El Occidente.....	KKX	300, 600	PG	....do.....	I. W. T. Co.
El Oriente.....	KKV	300, 450, 600	PG	....do.....	R. C. of A.
El Rio.....	KKZ	300, 450, 600	PG	....do.....	Do.
El Segundo.....	WTQ	300, 600	PG	Standard Oil Co. of Calif.	Do.
El Siglo.....	KKS	300, 450, 600	PG	Southern Pacific Co. ....	Owner of vessel.
El Sol.....	KKB	300, 450, 600	PG	....do.....	R. C. of A.
El Sud.....	KKQ	300, 450, 600	PG	....do.....	Do.
El Valle.....	KKW	300, 450, 600	PG	....do.....	S. O. R. S.
Endicott.....	KODN	300, 600	PG	U. S. S. B. ....	....
Englewood.....	WGAA	300, 600	PG	....do.....	....
Enseý City.....	KUZS	300, 600	PG	U. S. Steel Products Co.	....
Enterprise.....	WMN	300, 450, 600	PG	Matson Navigation Co. ....	R. C. of A.
Eocene.....	KTM	300, 600	PG	Standard Oil Co. of N. Y. ....	Owner of vessel.
Epitacio Pessoa.....	KOCC	300, 600	PG	U. S. S. B. ....	I. W. T. Co.
Ernest H. Meyer.....	WMJ	300, 600	PG	Broughton & Wiggins Nav. Co.	R. C. of A.
E. R. Sterling.....	WIS	300, 565, 600	PG	Sterling Ship Co. ....	Owner of vessel.
Escambia.....	KOGK	300, 600	PG	U. S. S. B. ....	S. O. R. S.
Esopus.....	KETF	300, 600	PG	....do.....	Do.
Esparta.....	KDO	300, 450, 600	PG	United Fruit Co. ....	T. R. T. Co.
Esperanza.....	KWZ	300, 450, 600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Essex.....	KQE	300, 450, 600	PG	Merchants & Miners Transpn. Co.	Do.
Ethan Allen.....	KUJQ	300, 600	PG	U. S. S. B. ....	S. O. R. S.
Ethelmitre.....	KEMB	300, 600	PG	....do.....	....
Furana.....	KJG	300, 600	PG	Green Star S. S. Corp. ....	R. C. of A.
Evangeline.....	KII	300, 600	PG	James W. Elwell & Co. ....	Do.
Evansville.....	KIKT	300, 600	PG	U. S. S. B. ....	I. W. T. Co.
Evelyn.....	KZP	300, 600	PG	A. H. Bull S. S. Co. ....	Do.
Everett.....	KZT	300, 600	PG	New England Fuel & Transpn. Co.	R. C. of A.
Everett.....	KUQR	300, 600	PG	Charles R. McCormick & Co.	Owner of vessel.
Everglades.....	WQEE	300, 600	PG	U. S. S. B. ....	R. C. of A.
Evergreen City.....	KUNJ	300, 600	PG	....do.....	I. W. T. Co.
Excelsior.....	KKO	300, 450, 600	PG	Southern Pacific Co. ....	R. C. of A.
Explorer.....	KIVN	300, 600	PG	U. S. S. B. ....	....
Eyota.....	KKII	300, 600	PG	....do.....	I. W. T. Co.
Fairmont.....	KXT	300, 600	PG	Coastwise Transportation Co.	R. C. of A.
Fair Oaks.....	WSM	300, 600	PG	Oriental Navigation Corp.	....
Faith.....	KJOA	300, 600	PG	San Francisco S. B. Co. ....	Owner of vessel.
Falmouth.....	WKOE	300, 600	PG	U. S. S. B. ....	I. W. T. Co.
Fame.....	KEDL	300, 600	PG	....do.....	S. O. R. S.
Faraby.....	KEJV	300, 600	PG	....do.....	Do.
Fargo.....	KONL	300, 600	PG	....do.....	R. C. of A.
Farnam.....	KQIE	300, 600	PG	....do.....	I. W. T. Co.
Fassett.....	KMUO	300, 600	PG	....do.....	R. C. of A.
Favorite.....	KIFG	300, 600	PG	Great Lakes Towing Co.	Do.
Favorite.....	WCF	300, 600	PG	U. S. S. B. ....	Do.
Fayette Brown.....	WQG	300, 600	PG	Harvey H. Brown & Co.	Do.
F. B. Squire.....	WFU	300, 600	PG	Jenkins S. S. Co. ....	Do.
F. D. Asche.....	KSUA	300, 450, 600	PG	Standard Oil Co. of N. J. ....	Do.
Federal.....	WDOO	300, 600	PG	U. S. S. B. ....	S. O. R. S.
Federal Bridge.....	KOCN	300, 450, 600	PG	....do.....	Do.
Felix Taussig.....	KXZ	300, 600	PG	Crowell & Thurlow S. S. Co. ....	....
Feltore.....	KFG	300, 450, 600	PG	Ore S. S. Corp. ....	R. C. of A.
Fernandina.....	WTIA	300, 600	PG	U. S. S. B. ....	....
Finback.....	KEMQ	300, 600	PG	American Arctic Corp. ....	....
Finland.....	KSF	300, 600	PG	International Mercantile Marine Co. ....	I. W. T. Co.
Firmore.....	KDX	300, 450, 600	PG	Ore S. S. Corp. ....	R. C. of A.
Firthcliffe.....	KITF	300, 600	PG	U. S. S. B. ....	S. O. R. S.
Fish Canners No. 1.....	KDAK	300, 600	PG	Fish Canners Co. ....	....
Fishers Island.....	KUPZ	300, 600	PG	U. S. S. B. ....	....
Fish Hawk.....	WKIA	300, 600	PG	Fishhawk Co. ....	Owner of vessel.
Fishkill.....	KULF	300, 600	PG	U. S. S. B. ....	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
F. J. Luckenbach.....	WNZ	300,450,525, 600	PG	Luckenbach S. S. Co..	S. O. R. S.
Flavel.....	WQUI	300,600	PG	U. S. S. B.....	Do.
Florence Luckenbach.....	WNM	300,600	PG	Luckenbach S. S. Co..	Do.
Florence Olson.....	WPK	300,600	PG	Oliver J. Olson.....	R. C. of A.
Florida.....	KUS	300,450,600	PG	Texas Co.....	Do.
Florida.....	WJJ	300,600	PG	Goodrich Transit Co..	Do.
Floridian.....	WLR	300,450,600	PG	American-Hawaiian S. S. Co.	
Fluor Spar.....	KIQX	300,600	PG	U. S. S. B.....	Do.
Folsom.....	WQOO	300,600	PG	.....do.....	S. O. R. S.
Fondue.....	KNUA	300,600	PG	.....do.....	R. C. of A.
Fordonian.....	KRU	300,600	PG	American-Mediterranean S. S. Co.	
Forster.....	KKIE	300,600	PG	U. S. S. B.....	S. O. R. S.
Fort Armstrong.....	KUKF	300,600	PG	.....do.....	Do.
Fort Bragg.....	WLH	300,600	PG	Charles H. Higgins.....	R. C. of A.
Fort George.....	KBIA	300,600	PG	U. S. S. B.....	I. W. T. Co.
Fort Harrison.....	WNOI	300,600	PG	.....do.....	S. O. R. S.
Fort Leavenworth.....	KEPB	300,600	PG	.....do.....	
Fort Logan.....	KIQJ	300,600	PG	.....do.....	
Fort Pierce.....	WJUA	300,600	PG	.....do.....	
Fort Pitt Bridge.....	KWBA	300,600	PG	.....do.....	
Fort Riley.....	WNOE	300,600	PG	.....do.....	
Fort Russell.....	WNOU	300,600	PG	.....do.....	
Fort Scott.....	KEBJ	300,600	PG	.....do.....	
Fort Seward.....	KEVJ	300,600	PG	.....do.....	
Fort Sill.....	KEBL	300,600	PG	.....do.....	
Fort Smith.....	KEBK	300,600	PG	.....do.....	
Fort Snelling.....	WNOG	300,600	PG	.....do.....	
Fort Stevens.....	KEBG	300,600	PG	.....do.....	
Fort Wayne.....	WDOU	300,600	PG	.....do.....	
Fort Worth.....	KLD	300,600	PG	.....do.....	
Fort Wright.....	KTEO	300,600	PG	.....do.....	
Fourth Alabama.....	KIXJ	300,600	PG	.....do.....	
F. Q. Barstow.....	KNQ	300,450,600	PG	Standard Oil Co. of N. J.	Do.
Frank H. Buck.....	WTO	300,600,1800	PG	Associated Oil Co.....	F. T. Co.
Franklin.....	WFF	300,450,600	PG	Coastwise Transporta- tion Co.	R. C. of A.
Franklin County.....	KOTV	300,450,600	PG	U. S. S. B.....	I. W. T. Co.
Fred Baxter.....	WOG	300,600	PG	Fred Baxter S. S. Co.	Owner of vessel.
Frederic R. Kellogg.....	WIQ	300,600	PG	Pan-American Petro- leum & Transport Co.	R. C. of A.
Fred'k Luckenbach.....	KGV	300,600	PG	Luckenbach S. S. Co..	S. O. R. S.
Fred W. Weller.....	KNY	300,450,600	PG	Standard Oil Co. of N. J.	R. C. of A.
Freedom.....	KFW	300,600	PG	U. S. S. B.....	Do.
Freeman.....	WMM	300,600	PG	Pocahontas Fuel Co..	Do.
Freeport Sulphur No. 1.....	KRA	300,600	PG	Freeport Sulphur Transportation Co.	Do.
Freeport Sulphur No. 2.....	KRG	300,600	PG	.....do.....	Do.
Freeport Sulphur No. 5.....	KUMK	300,600	PG	.....do.....	Do.
Freeport Sulphur No. 6.....	KUNP	300,600	PG	.....do.....	Do.
Fresno.....	KTIO	300,600	PG	U. S. S. B.....	Do.
Frieda.....	KFF	300,440,525, 600	PG	Union Sulphur Co..	S. O. R. S.
Fueloil.....	KUQB	300,600	PG	Pan-American Petro- leum & Transport Co.	R. C. of A.
Gaffney.....	KICR	300,600	PG	U. S. S. B.....	S. O. R. S.
G. A. Flagg.....	WZEI	300,600	PG	Boland & Cornelius S. S. Corp.	I. W. T. Co.
Galahad.....	KEQR	300,600	PG	U. S. S. B.....	Do.
Galesburg.....	WGAE	300,600	PG	.....do.....	
Ganeri.....	KERL	300,600	PG	.....do.....	
Garfield.....	WQOE	300,600	PG	Grace S. S. Co.	
Gargoyle.....	KRK	300,450,600	PG	Union Petroleum S. S. Co.	R. C. of A.
Garibaldi.....	KROU	300,600	PG	U. S. S. B.....	Do.
Gene Crawley.....	KQF	300,600	PG	Sinclair Gulf Corp..	Do.
General G. W. Goethals.....	KMZ	300,600	PG	Panama R. R. Co..	Owner of vessel.
General H. F. Hodges.....	KPG	300,600	PG	.....do.....	Do.
General O. H. Ernst.....	KPF	300,600	PG	.....do.....	Do.
General W. C. Gorgas.....	KIP	300,600	PG	.....do.....	Do.
Genesee.....	KIDL	300,450,600	PG	W. K. Vanderbilt, Jr.	Do.
George B. MacKenzie.....	KUNT	300,600	PG	American Bauxite Co.	R. C. of A.

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## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
George E. Paddleford.....	WIV	300, 450, 600	PG	Pan-American Petroleum & Transport Co.	R. C. of A.
George G. Henry.....	WIT	300, 600	PG	.....do.....	Do.
Geo. H. Jones.....	KIPS	300, 600	PG	Standard Oil Co. of N. J.	Do.
George W. Barnes.....	KMUI	300, 600	PG	Pan-American Petroleum & Transport Co.	Do.
Georgia.....	KUR	300, 450, 600	PG	Texas Co.....	I. W. T. Co.
Georgia.....	WFA	300, 600	PG	Goodrich Transit Co.	R. C. of A.
Georgina Rolph.....	KETX	300, 600	PG	Rolph Navigation & Coal Co.	Owner of vessel.
Glendola.....	KFAI	300, 600	PG	U. S. S. B.....	R. C. of A.
Glendoyie.....	KFAO	300, 600	PG	.....do.....	I. W. T. Co.
Glenpool.....	KOH	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Glen Ridge.....	KIRZ	300, 600	PG	U. S. S. B.....	Do.
Glen White.....	KSIE	300, 600	PG	Castner, Curran & Bullitt.	Do.
Glorieta.....	KJO	300, 450, 600	PG	Munisla S. S. Corp.....	Do.
Gloucester.....	KQG	300, 450, 600	PG	Merchants & Miners Transportation Co.	I. W. T. Co.
Glymont.....	KEXZ	300, 450, 600	PG	U. S. S. B.....	R. C. of A.
Glyndon.....	KEZQ	300, 600	PG	Glyndon S. S. Corp.....	Do.
Gold Shell.....	WIB	300, 450, 600	PG	Gold Shell S. S. Co.....	Do.
Gonzalis.....	KOBQ	300, 600	PG	U. S. S. B.....	I. W. T. Co
Goodspeed.....	WKEO	300, 600	PG	.....do.....	Do.
Goree.....	WLII	300, 600	PG	.....do.....	R. C. of A.
Governor.....	WGR	300, 450, 600	PG	Pacific S. S. Co.....	Do.
Governor Brooks.....	KPZ	300, 450, 600	PG	France & Canada S. S. Corp.....	I. W. T. Co.
Governor Cobb.....	KRB	300, 600	PG	Eastern S. S. Lines.....	Do.
Governor Dingley.....	KRV	300, 600	PG	.....do.....	I. W. T. Co.
Governor John Lind.....	WREU	300, 450, 600	PG	U. S. S. B.....	R. C. of A.
Grand Haven.....	KEXR	300, 600	PG	Grand Trunk Car Ferry Line.	Do.
Gratia.....	KIGP	300, 450, 600	PG	Gratia Navigation Co.....	I. W. T. Co.
Gray Eagle.....	KEZT	300, 600	PG	U. S. S. B.....	S. O. R. S.
Grayling.....	KEVL	300, 600	PG	.....do.....	I. W. T. Co.
Great Falls.....	KUFK	300, 600	PG	.....do.....	R. C. of A.
Grebe.....	KUMJ	300, 600	PG	East Coast Fisheries Co.....	Owner of vessel.
Grecian.....	KQR	300, 450, 600	PG	Merchants & Miners Transportation Co.	I. W. T. Co.
Greenland.....	KUPG	300, 600	PG	U. S. S. B.....	S. O. R. S.
Greenwood.....	WLL	300, 600	PG	Greenwood S. S. Co.....	I. W. T. Co.
Guantanamo.....	KWN	300, 450, 600	PG	New York & Cuba Mail S. S. Co.	Do.
Guardian.....	WGZ	300, 600	PG	Central & South American Teleg. Co.	Owner of vessel
Guardsman.....	KIVX	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Guaro.....	WJV	300, 600	PG	.....do.....	Do.
Guilford.....	KEMF	300, 600	PG	.....do.....	S. O. R. S.
Guimba.....	WJIE	300, 600	PG	.....do.....	Do.
Gulfcoast.....	KUE	300, 600	PG	Gulf Refining Co.....	R. C. of A.
Gulfland.....	KUD	300, 600	PG	.....do.....	I. W. T. Co.
Gulfflight.....	KUA	300, 600	PG	.....do.....	R. C. of A.
Gulfmaid.....	KUB	300, 450, 600	PG	.....do.....	Do.
Gulf of Mexico.....	KUC	300, 450, 600	PG	.....do.....	I. W. T. Co.
Gulfoil.....	KTG	300, 600	PG	.....do.....	S. O. R. S.
Gulfport.....	KREE	300, 600	PG	Freeport-Tampico Fuel Oil Transportation Corp.	R. C. of A.
Gulf Queen.....	KVS	300, 600	PG	Gulf Refining Co.....	I. W. T. Co.
Gulfstream.....	KTB	300, 600	PG	.....do.....	Do.
Gulftrade.....	KOVB	300, 600	PG	.....do.....	Do.
Gunston Hall.....	KICV	300, 600	PG	U. S. S. B.....	Do.
Haddon.....	KIRN	300, 600	PG	.....do.....	S. O. R. S.
Hadnot.....	KOGP	300, 600	PG	.....do.....	Do.
Hagan.....	KOQC	300, 600	PG	.....do.....	I. W. T. Co.
Hagood.....	KOQD	300, 600	PG	.....do.....	S. O. R. S.
Hahatonka.....	KUPF	300, 600	PG	.....do.....	Do.
Hahira.....	KUZC	300, 600	PG	.....do.....	I. W. T. Co.
Halcyon.....	KZL	300, 450, 600	P	Dutee W. Flint.....	Owner of vessel.
Haleakala.....	KORL	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Haff Moon.....	KUVX	300, 600	PG	.....do.....	S. O. R. S.
Hamilton.....	KOA	300, 450, 600	PG	Oid Dominion S. S. Co.	R. C. of A.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Hamlin.....	KOJC	300, 600	PG	U. S. S. B.....	R. C. of A.
Hampden.....	WXUI	300, 600	PG	Coastwise Transportation Co.	Do.
Hampton Roads.....	KESR	300, 600	PG	Baltimore Dry Dock & S. B. Co.	
Hancock County.....	KORT	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Hanover.....	KOJK	300, 600	PG	.....do.....	Do.
Harish.....	WSIE	300, 600	PG	.....do.....	R. C. of A.
Harold Walker.....	WIX	300, 450, 600	PG	Pan-American Petroleum & Transport Co.	
Harry Farmum.....	KQ.A	300, 450, 600	PG	Sinclair Gulf Corp.....	Do.
Harry Luckenbach.....	KIGS	300, 600	PG	Luckenbach S. S. Co.	S. O. R. S.
Harry W. Croft.....	WQF	300, 600	PG	Harvey H. Brown & Co.	R. C. of A.
Hartford.....	KOSX	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Hartwood.....	KEVR	300, 600	PG	Hart-Wood Lumber Co.	Owner of vessel.
Harvey H. Brown.....	WQE	300, 600	PG	Castner, Curran & Bullitt.	R. C. of A.
Haslehurst.....	KOXB	300, 600	PG	U. S. S. B.....	Do.
Hastnai.....	KUVP	300, 600	PG	National Oil Transport Co.	
Hatchie.....	KIVJ	300, 600	PG	U. S. S. B.....	S. O. R. S.
Hathaway.....	KODK	300, 600	PG	.....do.....	R. C. of A.
Hatteras.....	WNV	300, 450, 600	PG	.....do.....	I. W. T. Co.
Hattie Luckenbach.....	WNF	300, 600	PG	Luckenbach S. S. Co.	S. O. R. S.
Haverhill.....	WLUE	300, 600	PG	U. S. S. B.....	Do.
Havilah.....	KUIK	300, 450, 600	PG	.....do.....	I. W. T. Co.
Hawaiian.....	WKU	300, 600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Hawarden.....	KUPX	300, 450, 600	PG	U. S. S. B.....	R. C. of A.
Haxtum.....	KUTB	300, 600	PG	.....do.....	Do.
Hayden.....	KUZP	300, 600	PG	.....do.....	Do.
H. C. Cadmus.....	KVT	300, 450, 600	PG	Neptune Line.....	Do.
H. C. Folger.....	KHS	300, 450, 600	PG	Atlantic Refining Co.	Do.
Heffron.....	WBAl	300, 600	PG	U. S. S. B.....	S. O. R. S.
Hegira.....	KIDF	300, 600	PG	.....do.....	R. C. of A.
Hejen.....	KZH	300, 600	PG	Bull Insular S. S. Co.	I. W. T. Co.
Henry Clay.....	KESZ	300, 600	PG	U. S. S. B.....	Do.
Henry County.....	KOMS	300, 450, 600	PG	American S. B. Co.	Do.
Henry J. Biddle.....	WOW	300, 600	PG	California & Hawaiian Sugar Refining Co.	Owner of vessel.
Henry M. Flagler.....	KOX	300, 600	PG	Florida East Coast Car Ferry Co.	R. C. of A.
Henry R. Mallory.....	KEF	300, 450, 600	PG	Mallory S. S. Co.....	I. W. T. Co.
Henry Steers.....	KURR	300, 450, 600	PG	U. S. S. B.....	S. O. R. S.
Herbert G. Wylie.....	WIF	300, 450, 600	PG	Pan-American Petroleum & Transport Co.	R. C. of A.
Herbert L. Pratt.....	KOY	300, 600	PG	Atlantic Refining Co.	
Hercules.....	KOCT	300, 600	PG	Rolph Navigation & Coal Co.	Do.
Heredia.....	KDH	300, 600	PG	United Fruit Co.....	T. R. T. Co.
Herman Winter.....	WDAO	300, 600	PG	Eastern S. S. Lines....	R. C. of A.
Hermosa.....	WBP	300, 500, 800	PR	Wilmington Transportation Co.	Do.
Heron.....	KUDF	300, 600	PG	East Coast Fisheries Co.	Owner of vessel.
Hewitt.....	KIL	300, 600	PG	Union Sulphur Co.....	S. O. R. S.
H. F. Dimock.....	KEN	300, 450, 600	PG	Eastern S. S. Lines....	R. C. of A.
H. H. Rogers.....	KSI	300, 450, 600	PG	Standard Oil Co. of N. J.	Do.
Hickman.....	WFOA	300, 600	PG	U. S. S. B.....	Do.
Hico.....	KECK	300, 600	PG	.....do.....	Do.
Higo.....	KUBV	300, 600	PG	.....do.....	Do.
Hillsborough County.....	KIKB	300, 600	PG	.....do.....	S. O. R. S.
Hilton.....	KZK	300, 600	PG	A. H. Bull S. S. Co....	I. W. T. Co.
Himoto.....	KILC	300, 600	PG	U. S. S. B.....	R. C. of A.
Hinckley.....	KURB	300, 600	PG	.....do.....	S. O. R. S.
Hisko.....	WQD	300, 600	PG	.....do.....	R. C. of A.
H. M. Flager.....	KER	300, 450, 600	PG	Standard Oil Co. of N. J.	Do.
H. M. Whitney.....	WPV	300, 600	PG	Whitney S. S. Co.....	
Hog Island.....	KODV	300, 600	PG	U. S. S. B.....	R. C. of A.
Hokah.....	WJAE	300, 600	PG	.....do.....	S. O. R. S.
Holbrook.....	WQII	300, 600	PG	.....do.....	Do.
Holden Evans.....	KMY	300, 450, 600	PG	Holden Evans S. S. Co.	R. C. of A.
Hollywood.....	WKH	300, 440, 525 600	PG	Hollywood S. S. Co....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Holyoke Bridge.....	KUCJ	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Homer.....	KUMG	300, 600	PG	D. J. Hanlon.....	S. O. R. S.
Homestead.....	KEKR	300, 600	PG	U. S. S. B.....	R. C. of A.
Honnedaga.....	KUXZ	300, 600	PG	.....do.....	Do.
Honolulu.....	WMZ	300, 600	PG	.....do.....	I. W. T. Co.
Hoosac.....	WQAU	300, 600	PG	.....do.....	Do.
Horace X. Baxter.....	WOF	300, 600	PG	Horace X. Baxter S. S. Co.	R. C. of A.
Horado.....	KECT	300, 600	PG	U. S. S. B.....	Do.
Houma.....	WTUO	300, 600	PG	.....do.....	I. W. T. Co.
Hoven.....	KEXV	300, 600	PG	.....do.....	Do.
Howard.....	KQH	300, 450, 600	PG	Merchants & Miners Transportation Co.	Do.
Howick Hall.....	KLT	300, 600	PG	U. S. Steel Products Co.	R. C. of A.
Hoxbar.....	KIJQ	300, 600	PG	U. S. S. B.....	S. O. R. S.
Hoxie.....	KEMK	300, 600	PG	.....do.....	R. C. of A.
Hugoton.....	KIQR	300, 600	PG	.....do.....	I. W. T. Co.
Huguenot.....	KIVQ	300, 600	PG	.....do.....	R. C. of A.
Hukey.....	KIFC	300, 600	PG	.....do.....	I. W. T. Co.
Hulaco.....	KODQ	300, 600	PG	.....do.....	I. W. T. Co.
Hulver.....	KIGD	300, 600	PG	.....do.....	S. O. R. S.
Humaconnna.....	KIGC	300, 600	PG	.....do.....	R. C. of A.
Humboldt.....	WHX	300, 600	PG	James Jerome.....	Do.
Humrick.....	KIFN	300, 450, 600	PG	U. S. S. B.....	I. W. T. Co.
Huron.....	KVH	300, 450, 600	PG	Clyde S. S. Co.....	R. C. of A.
Huron.....	KUSD	300, 450, 600	PG	U. S. S. B.....	Do.
Hutchinson.....	KUJP	300, 600	PG	.....do.....	I. W. T. Co.
Hyades.....	WMK	300, 450, 600	PG	Matsen Navigation Co.	Do.
Hyannis.....	KINC	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Ice King.....	KJUA	300, 600	PG	.....do.....	Do.
Iceland.....	KOKK	300, 600	PG	.....do.....	S. O. R. S.
Iconium.....	WQUO	300, 600	PG	.....do.....	Do.
Ida.....	WLV	300, 450, 600	PG	.....do.....	R. C. of A.
Idaho.....	WOO	300, 600	PG	Henry Wilson.....	Do.
I. D. Fletcher.....	KFI	300, 600	PG	Coast Transit Co.....	Do.
I. J. Merritt.....	KOVZ	300, 600	PG	Merritt & Chapman Derrick & Wrecking Co.	Do.
Illinois.....	WCZ	300, 600	PG	Northern Michigan Transpn. Co.	Do.
Imlay.....	KIZV	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Imufka.....	KEDS	300, 600	PG	.....do.....	R. C. of A.
Inco No. 1.....	WQA	300, 450, 600	PG	Inland Navigation Co.	U. S. S. B.....
Independence.....	WJIO	300, 600	PG	.....do.....	S. O. R. S.
Independent Bridge.....	KOGB	300, 600	PG	Goodrich Transit Co.	R. C. of A.
Indiana.....	WFC	300, 600	PG	U. S. S. B.....	Do.
Indiana Bridge.....	KOND	300, 600	PG	.....do.....	I. W. T. Co.
Indiana Harbor.....	KUBS	300, 600	PG	.....do.....	Do.
Indianapolis.....	WROE	300, 600	PG	.....do.....	R. C. of A.
Ingold.....	WLUU	300, 600	PG	.....do.....	I. W. T. Co.
Innoko.....	KITJ	300, 600	PG	.....do.....	Do.
Inspector.....	KOKR	300, 600	PG	.....do.....	R. C. of A.
Intan.....	KIGK	300, 600	PG	.....do.....	I. W. T. Co.
Invincible.....	WCII	300, 600	PG	.....do.....	R. C. of A.
Iowan.....	WKJ	300, 600	PG	American-Hawaiian S. S. Co.	Do.
Ipswich.....	KILV	300, 500	PG	Shawmut S. S. Co.....	S. O. R. S.
Iris.....	WOJ	300, 450, 600	PG	U. S. S. B.....	I. W. T. Co.
Iroquois.....	KVF	300, 450, 600	PG	Clyde S. S. Co.....	R. C. of A.
Iroquois.....	KUTQ	300, 600	PG	Puget Sound Navigation Co.	Do.
Irvington.....	KOGQ	300, 600	PG	U. S. S. B.....	Do.
Isaac L. Rice.....	WKK	300, 600	PG	Electric Boat Co.....	I. W. T. Co.
Isabela.....	KGW	300, 600	PG	New York & Porto Rico S. S. Co.	Do.
Isanti.....	WVEU	300, 600	PG	U. S. S. B.....	R. C. of A.
Isomonia.....	KEL	300, 600	PG	.....do.....	Transmarine Corp.
Issaqueena.....	KPIU	300, 600	PG	.....do.....	I. W. T. Co.
Italia.....	KUPB	300, 450, 600	PG	Submarine Boat Corp.	R. C. of A.
Itanca.....	WGUE	300, 600	PG	U. S. S. B.....	Do.
Itompa.....	KENR	300, 450, 600	PG	Nacierema S. S. Corp.	I. W. T. Co.
J. A. Bostwick.....	KJN	300, 450, 600	PG	Standard Oil Co. of N. J.	S. O. R. S.
Jackson.....	KIKC	300, 600	PG	U. S. S. B.....	Do.
Jacksonville.....	KOJG	300, 600	PG	.....do.....	Do.
Jacona.....	WQUU	300, 600	PG	.....do.....	Do.
Jacox.....	KEML	300, 600	PG	.....do.....	I. W. T. Co.
Jadden.....	KEML	300, 600	PG	.....do.....	S. O. R. S.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Jamaica.....	WLB	300, 450, 600	PG	Jamaica Navigation Co.	Owner of vessel.
James McGee.....	KTP	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
James S. Whitney.....	WPW	300, 600	PG	Acme S. S. Corp.....	
James Timpson.....	WTA	300, 600	PG	Resolved Corp.....	
Jamestown.....	KOC	300, 450, 600	PG	Old Dominion S. S. Co.	
J. A. Moffett.....	WRE	300, 600, 1610, 1800	PG	Standard Oil Co. of Calif.	R. C. of A.
Jane Palmer.....	KPY	300, 450, 600	PG	France & Canada S. S. Corp.	Do.
Jason.....	KNJ	300, 600	PG	Jason Navigation Co.	
J. B. Stetson.....	WVUE	300, 600	PG	Pacific Mercantile Marine Co.	Do.
J. C. Donnell.....	WJM	300, 600	PG	Atlantic Refining Co.	Do.
Jean.....	KZJ	300, 600	PG	A. H. Bull S. S. Co.	I. W. T. Co.
Jeannette Skinner.....	WQW	300, 440, 525, 600	PG	U. S. S. B.....	Do.
Jefferson.....	KOD	300, 450, 600	PG	Old Dominion S. S. Co.	R. C. of A.
Jefferson.....	WAJ	300, 600	PG	Alaska S. S. Co.	S. O. R. S.
Jefferson County.....	KIKF	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Jekyl.....	KEBS	300, 600	PG	do.....	Do.
Jennie H. Morse.....	KUNN	300, 600	PG	do.....	Do.
J. E. O'Neil.....	KS8	300, 600	PG	Atlantic Refining Co.	R. C. of A.
J. F. Penrose.....	KUQN	300, 450, 600	PG	National Oil Transport Co.	C. & W. R. C.
Jim Sid.....	KUZD	300, 600	PG	Gulf Barge & Towing Co.	
J. L. Luckenbach.....	KGT	300, 600	PG	Luckenbach S. S. Co.	S. O. R. S.
J. M. Danziger.....	WIW	300, 450, 600	PG	Pan-American Petroleum & Transport Co.	R. C. of A.
J. M. Guffey.....	KTF	300, 600	PG	Gulf Refining Co.....	I. W. T. Co.
Joan of Arc.....	KETV	300, 600	PG	Rolph Navigation & Coal Co.	Owner of vessel.
Johanna Smith.....	WHZ	300, 600	PG	Coon Bay Lumber Co.	Do.
John Adams.....	KOSS	300, 600	PG	U. S. S. B.....	R. C. of A.
John D. Rockefeller.....	KTO	300, 600	PG	Standard Oil Co. of N. J.	Do.
John Ena.....	KIRS	300, 600	PG	Robert Dollar Co.....	
John F. Hylan.....	KUSM	300, 600	PG	City of New York, Police Department.	Owner of vessel.
John Jay.....	KUXR	300, 600	PG	U. S. S. B.....	I. W. T. Co.
John M. Connelly.....	KJEI	300, 600	PG	do.....	Do.
John P. Reiss.....	KUTM	300, 600	PG	North American S. S. Co.	R. C. of A.
John R. Gibbons.....	KURL	300, 600	PG	American Bauxite Co.	Do.
John Roach.....	KOSN	300, 600	PG	U. S. S. B.....	Do.
Johnson City.....	KIKD	300, 600	PG	do.....	I. W. T. Co.
John W. Wells.....	KOCR	300, 600	PG	Charles R. McCormick & Co.	Owner of vessel.
Jolee.....	KUVT	300, 600	PG	U. S. S. B.....	
Jomar.....	KUGT	300, 600	PG	do.....	R. C. of A.
Jonancy.....	KSEU	300, 600	PG	Pocahontas Fuel Co.	Do.
Joseph H. Parrott.....	KJP	300, 450, 600	PG	Florida East Coast Car Ferry Co.	Do.
Josiah Macy.....	KEX	300, 450, 600	PG	Standard Oil Co. of N. J.	Do.
J. R. Gordon.....	KOML	300, 600	PG	Union Sulphur Co.	S. O. R. S.
Julia Luckenbach.....	KGZ	300, 450, 525, 600	PG	Luckenbach S. S. Co.	Do.
Juneau.....	WAM	300, 550, 600	PG	Alaska S. S. Co.....	Do.
Juniata.....	KQJ	300, 450, 600	PG	Merchants & Miners Transpn. Co.	I. W. T. Co.
Juniata.....	WCB	300, 600	PG	Great Lakes Transit Corp.	R. C. of A.
Juvigny.....	KUQX	300, 600	PG	Independent S. S. Co.	
J. W. Van Dyke.....	KHR	300, 450, 600	PG	Atlantic Refining Co.	Do.
Kaleen.....	KOKV	300, 600	PG	U. S. S. B.....	
Kamchatka.....	KUJG	300, 450, 600	PG	C. L. Hibbard.....	Do.
Kamesit.....	KEDG	300, 600	PG	U. S. S. B.....	S. O. R. S.
Kanabec.....	WMII	300, 600	PG	Kanabec S. S. Co.	R. C. of A.
Kanak.....	KOT	300, 400, 600	PG	Alaska Packers Assn.	Owner of vessel.
Kanakee.....	WVUU	300, 600	PG	U. S. S. B.....	S. O. R. S.
Kanawha.....	KYA	300, 600	PG	John Borden.....	Owner of vessel.
Kangi.....	WRUA	300, 600	PG	U. S. S. B.....	S. O. R. S.
Karina.....	KYR	300, 600	P	France & Canada S. S. Co.	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Kasota.....	KPAO	300, 600	PG	U. S. S. B.....	R. C. of A.
Katherine.....	KIZK	300, 450, 600	PG	Philippine Vegetable Oil Co.	Do.
Katia.....	KZUA	300, 600	PG	Katia S. S. Corp.....	S. O. R. S.
Katomah.....	KERD	300, 600	PG	U. S. S. B.....	Do.
Katrina Luckenbach.....	KWU	300, 600	PG	Luckenbach S. S. Co.	R. C. of A.
Kaweah.....	KOKL	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Kayseka.....	KOQZ	300, 600	PG	do.....	S. O. R. S.
Kearny.....	KOPR	300, 600	PG	do.....	I. W. T. Co.
Kehuku.....	KUPV	300, 450, 600	PG	do.....	Do.
Keketticout.....	KZEA	300, 600	PG	do.....	S. O. R. S.
Kenosha.....	KPIA	300, 600	PG	do.....	R. C. of A.
Kenowis.....	KOSV	300, 600	PG	do.....	Owner of vessel.
Kentuckian.....	WKE	300, 600	PG	American - Hawaiian S. S. Co.	
Keota.....	WXAU	300, 600	PG	U. S. S. B.....	S. O. R. S.
Keresan.....	WJC	300, 600	PG	Kerr Navigation Corp.	R. C. of A.
Keresaspia.....	KQI	300, 600	PG	American Ship & Commerce Navigation Corp.	Do.
Kerhonkson.....	KUJF	300, 600	PG	U. S. S. B.....	Do.
Kerkenna.....	WPJ	300, 600	PG	Kerr Navigation Corp.	Do.
Kerlew.....	KQP	300, 600	PG	do.....	Do.
Kermanshah.....	KLX	300, 450, 600	PG	do.....	Do.
Kermitt.....	WMV	300, 600	PG	U. S. S. B.....	Do.
Kermoor.....	WJB	300, 600	PG	Kerr Navigation Corp.	Do.
Kerowlee.....	WGW	300, 600	PG	American Ship & Commerce Navigation Corp.	Do.
Kershaw.....	KQK	300, 450, 600	PG	Merchants & Miners Transpn. Co.	I. W. T. Co.
Keshena.....	KITR	300, 600	PG	U. S. S. B.....	S. O. R. S.
Ketchikan.....	WAE	300, 600	PG	Alaska S. S. Co.....	Do.
Kewanee.....	KIVC	300, 600	PG	U. S. S. B.....	Do.
Kickapoo.....	KVEO	300, 600	PG	do.....	Owner of vessel.
Kilkenny.....	KKI	300, 450, 600	PG	Department of Commerce.	
K. I. Luckenbach.....	KHY	300, 600	PG	Luckenbach S. S. Corp	S. O. R. S.
Kimta.....	KIFS	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Kineo.....	KPUI	300, 600	PG	do.....	R. C. of A.
Kingfisher.....	KMAO	300, 600	PG	East Coast Fisheries Co	
Kingfisher.....	KOQR	300, 600	PG	Kingfisher Co.....	
Kiokee.....	KITS	300, 600	PG	U. S. S. B.....	
Kiowa.....	KRL	300, 600	PG	Atlantic, Gulf & West Indies S. S. Lines.	
Kiron.....	KITT	300, 600	PG	U. S. S. B.....	S. O. R. S.
Kishacoquillas.....	KIFJ	300, 600	PG	do.....	R. C. of A.
Kisnosp.....	KIJK	300, 600	PG	do.....	
Kitchi.....	KITV	300, 600	PG	do.....	S. O. R. S.
Kittegaun.....	KITG	300, 600	PG	do.....	R. C. of A.
Klamath.....	WMOU	300, 600	PG	do.....	Do.
Klamath.....	WSX	300, 600	PG	Klamath S. S. Co.....	
Knoxville.....	KIJN	300, 600	PG	U. S. S. B.....	S. O. R. S.
Kokomo.....	KEJB	300, 600	PG	do.....	R. C. of A.
Kolda.....	KOKX	300, 600	PG	do.....	
Kootenai.....	KOGF	300, 450, 600	PG	do.....	Do.
Koscuszko.....	KZUE	300, 600	PG	do.....	Do.
Krakow.....	WJH	300, 450, 600	PG	do.....	Do.
Kroonland.....	KSH	300, 600	PG	International Mercantile Marine Co.	I. W. T. Co.
Kusdeca.....	WGUO	300, 600	PG	U. S. S. B.....	S. O. R. S.
Kuwa.....	WCCE	300, 400, 600	PG	do.....	I. W. T. Co.
Kvichak.....	WNS	300, 400, 600	PG	Alaska Packers Assn.	Owner of vessel.
Labette.....	KIZX	300, 600	PG	U. S. S. B.....	S. O. R. S.
Laborer.....	KIST	300, 600	PG	do.....	I. W. T. Co.
La Brea.....	WON	300, 600, 1, 800	PG	Union Oil Co.	F. T. Co.
Lackawanna.....	KOP	300, 450, 600	PG	Lackawanna S. S. Co.	R. C. of A.
Lackawanna Bridge.....	KOGC	300, 600	PG	U. S. S. B.....	Do.
Lackawanna Valley.....	KIXD	300, 600	PG	do.....	Do.
La Crosse.....	KONM	300, 600	PG	do.....	Do.
Lafcomo.....	KIXK	300, 600	PG	do.....	S. O. R. S.
La Forge.....	WGAU	300, 600	PG	do.....	I. W. T. Co.
Lake Agomak.....	KZEU	300, 600	PG	do.....	S. O. R. S.
Lake Akkra.....	KVUE	300, 600	PG	do.....	I. W. T. Co.
Lake Allen.....	KLEI	300, 600	PG	do.....	R. C. of A.
Lake Alvada.....	KXAA	300, 600	PG	do.....	Do.
Lake Annette.....	KKOE	300, 450, 600	PG	do.....	S. O. R. S.
Lake Arline.....	KZOE	300, 600	PG	do.....	I. W. T. Co.
Lake Arthur.....	WFL	300, 600	PG	do.....	R. C. of A.
Lake Aurice.....	KZIA	300, 600	PG	do.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Lake Beacon.....	WTAA	300, 450, 600	PG	U. S. S. B .....	R. C. of A.
Lake Belmona.....	KZII	300, 600	PG	.....do.....	Do.
Lake Benbow.....	KVAE	300, 600	PG	.....do.....	I. W. T. Co.
Lake Benton.....	KSIU	300, 600	PG	.....do.....	Do.
Lake Berdan.....	KZEE	300, 600	PG	.....do.....	Do.
Lake Blanchester.....	KTIU	300, 600	PG	.....do.....	S. O. R. S.
Lake Bledsoe.....	KTUE	300, 600	PG	.....do.....	Do.
Lake Bridge.....	KBAI	300, 600	PG	.....do.....	I. W. T. Co.
Lake Buckeye.....	WSEU	300, 600	PG	.....do.....	R. C. of A.
Lake Butler.....	WFN	300, 600	PG	.....do.....	Do.
Lake Cahoon.....	WKEE	300, 600	PG	.....do.....	I. W. T. Co.
Lake Calistoga.....	KXIU	300, 600	PG	.....do.....	S. O. R. S.
Lake Callicoon.....	WNAO	300, 450, 600	PG	.....do.....	Do.
Lake Canaveral.....	KIDS	300, 600	PG	.....do.....	Do.
Lake Candelaria.....	KIJB	300, 600	PG	.....do.....	Do.
Lake Cannonsburg.....	KIMV	300, 600	PG	.....do.....	Do.
Lake Capens.....	KLUA	300, 600	PG	.....do.....	I. W. T. Co.
Lake Cathcoen.....	WLEO	300, 600	PG	.....do.....	R. C. of A.
Lake Catherine.....	KSII	300, 600	PG	.....do.....	S. O. R. S.
Lake Cayuga.....	KLUI	300, 450, 600	PG	.....do.....	R. C. of A.
Lake Charles.....	KHWH	300, 600	PG	.....do.....	S. O. R. S.
Lake Charlotte.....	KQEY	300, 600	PG	.....do.....	I. W. T. Co.
Lake Charlottesville.....	WNEA	300, 600	PG	.....do.....	R. C. of A.
Lake Chelan.....	KQUO	300, 600	PG	.....do.....	S. O. R. S.
Lake Clear.....	KLEO	300, 600	PG	.....do.....	Do.
Lake Como.....	KLIE	300, 600	PG	.....do.....	Do.
Lake Conesus.....	KSAO	300, 600	PG	.....do.....	R. C. of A.
Lake Copley.....	WKAU	300, 600	PG	.....do.....	I. W. T. Co.
Lake Crescent.....	WAP	300, 600	PG	.....do.....	R. C. of A.
Lake Crystal.....	KLAO	300, 600	PG	.....do.....	I. W. T. Co.
Lake Dancey.....	KZEO	300, 600	PG	.....do.....	S. O. R. S.
Lake Daraga.....	KRIA	300, 600	PG	.....do.....	R. C. of A.
Lake Delancey.....	KKXA	300, 450, 600	PG	.....do.....	R. C. of A.
Lake Desha.....	WTAE	300, 600	PG	.....do.....	Do.
Lake Deval.....	WKEA	300, 600	PG	.....do.....	S. O. R. S.
Lake Duncan.....	KSOO	300, 600	PG	.....do.....	I. W. T. Co.
Lake Dummore.....	KBEI	300, 600	PG	.....do.....	R. C. of A.
Lake Dymer.....	KZEI	300, 600	PG	.....do.....	I. W. T. Co.
Lake Eckhart.....	KSOE	300, 600	PG	.....do.....	S. O. R. S.
Lake Eliko.....	KTAI	300, 600	PG	.....do.....	Do.
Lake Elizabeth.....	WOP	300, 600	PG	.....do.....	Do.
Lake Elkwater.....	KEPM	300, 600	PG	.....do.....	Do.
Lake Elkwood.....	KENP	300, 600	PG	.....do.....	Do.
Lake Ellendale.....	KEPN	300, 600	PG	.....do.....	I. W. T. Co.
Lake Ellenorah.....	KEPP	300, 600	PG	.....do.....	S. O. R. S.
Lake Ellerslie.....	KEQM	300, 600	PG	.....do.....	I. W. T. Co.
Lake Ellicott.....	KEQN	300, 600	PG	.....do.....	Do.
Lake Ellijay.....	KOBL	300, 600	PG	.....do.....	S. O. R. S.
Lake Ellithorpe.....	KOFM	300, 600	PG	.....do.....	I. W. T. Co.
Lake Ellsbury.....	KOFF	300, 600	PG	.....do.....	R. C. of A.
Lake Ellsworth.....	KOCZ	300, 600	PG	.....do.....	S. O. R. S.
Lake Elmdale.....	KOLR	300, 600	PG	.....do.....	R. C. of A.
Lake Elmhurst.....	KOFL	300, 600	PG	.....do.....	Do.
Lake Elmont.....	KOQG	300, 600	PG	.....do.....	S. O. R. S.
Lake Elmsford.....	KOVG	300, 600	PG	.....do.....	Do.
Lake Elmwood.....	KOZT	300, 450, 600	PG	.....do.....	Do.
Lake Elon.....	KOBZ	300, 600	PG	.....do.....	R. C. of A.
Lake Elpuueblo.....	KOFV	300, 600	PG	.....do.....	Do.
Lake Elrio.....	KOKQ	300, 600	PG	.....do.....	S. O. R. S.
Lake Elsa.....	KOSR	300, 450, 600	PG	.....do.....	Do.
Lake Elsinore.....	KRII	300, 600	PG	.....do.....	I. W. T. Co.
Lake Elsmere.....	KONT	300, 450, 600	PG	.....do.....	Do.
Lake Elva.....	KUBR	300, 450, 600	PG	.....do.....	S. O. R. S.
Lake Elwin.....	KUDM	300, 450, 600	PG	.....do.....	R. C. of A.
Lake Ennis.....	KLUO	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fablus.....	KIPQ	300, 600	PG	.....do.....	Do.
Lake Fabyan.....	KINJ	300, 600	PG	.....do.....	S. O. R. S.
Lake Fackler.....	KIQP	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fagundus.....	KISN	300, 600	PG	.....do.....	Do.
Lake Fairfax.....	KIRV	300, 600	PG	.....do.....	S. O. R. S.
Lake Fairlie.....	KISP	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fairport.....	KOGR	300, 600	PG	.....do.....	Do.
Lake Falama.....	KITB	300, 600	PG	.....do.....	S. O. R. S.
Lake Falum.....	KOTB	300, 600	PG	.....do.....	Do.
Lake Fanbush.....	KEJN	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fandango.....	KOVL	300, 600	PG	.....do.....	Do.
Lake Fandon.....	KOVS	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fannin.....	KECN	300, 600	PG	.....do.....	Do.
Lake Fanquier.....	KEKN	300, 600	PG	.....do.....	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Lake Fansdale.....	KEKM	300, 600	PG	U. S. S. B .....	S. O. R. S.
Lake Farabee.....	KEBP	300, 600	PG	.....do.....	R. C. of A.
Lake Farber.....	KIRB	300, 600	PG	.....do.....	S. O. R. S.
Lake Faresman.....	KEVZ	300, 600	PG	.....do.....	Do.
Lake Farge.....	WLEA	300, 600	PG	.....do.....	I. W. T. Co.
Lake Faribault.....	KEDM	300, 600	PG	.....do.....	S. O. R. S.
Lake Faristell.....	WLEE	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fariston.....	KEDN	300, 600	PG	.....do.....	R. C. of A.
Lake Farley.....	KEDP	300, 600	PG	.....do.....	S. O. R. S.
Lake Farlin.....	KIGM	300, 600	PG	.....do.....	R. C. of A.
Lake Farmingdale.....	KIPZ	300, 600	PG	.....do.....	S. O. R. S.
Lake Farnagut.....	KIQN	300, 600	PG	.....do.....	R. C. of A.
Lake Farrar.....	KISX	300, 600	PG	.....do.....	Do.
Lake Faulk.....	KEJP	300, 600	PG	.....do.....	Do.
Lake Favonia.....	KOJP	300, 600	PG	.....do.....	I. W. T. Co.
Lake Faxon.....	KOLJ	300, 600	PG	.....do.....	R. C. of A.
Lake Fear.....	KIVM	300, 600	PG	.....do.....	S. O. R. S.
Lake Felden.....	KOLK	300, 450, 600	PG	.....do.....	R. C. of A.
Lake Fenn.....	KOTT	300, 600	PG	.....do.....	I. W. T. Co.
Lake Feodora.....	KUBT	300, 600	PG	.....do.....	Do.
Lake Fernalda.....	KOPB	300, 600	PG	.....do.....	Do.
Lake Fernando.....	KELM	300, 600	PG	.....do.....	Do.
Lake Fernwood.....	KDEA	300, 600	PG	.....do.....	Do.
Lake Ferrona.....	KELN	300, 600	PG	.....do.....	S. O. R. S.
Lake Fessenden.....	KELP	300, 600	PG	.....do.....	R. C. of A.
Lake Festina.....	KEQP	300, 600	PG	.....do.....	S. O. R. S.
Lake Festus.....	KERM	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fibre.....	KERN	300, 600	PG	.....do.....	Do.
Lake Fielding.....	KERP	300, 600	PG	.....do.....	Do.
Lake Fife.....	KESM	300, 600	PG	.....do.....	R. C. of A.
Lake Figart.....	KESN	300, 600	PG	.....do.....	S. O. R. S.
Lake Fighting.....	KESP	300, 600	PG	.....do.....	I. W. T. Co.
Lake Filbert.....	KONV	300, 600	PG	.....do.....	S. O. R. S.
Lake Fillion.....	KOPV	300, 600	PG	.....do.....	Do.
Lake Fillmore.....	KUCZ	300, 600	PG	.....do.....	R. C. of A.
Lake Fiscus.....	KOCG	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fisher.....	KODD	300, 600	PG	.....do.....	Do.
Lake Fitch.....	KOJQ	300, 450, 600	PG	.....do.....	Do.
Lake Fithian.....	KOKZ	300, 600	PG	.....do.....	Do.
Lake Flag.....	KUMX	300, 600	PG	.....do.....	R. C. of A.
Lake Flagon.....	KIXT	300, 600	PG	.....do.....	I. W. T. Co.
Lake Flagstaff.....	KIZM	300, 600	PG	.....do.....	Do.
Lake Flambeau.....	KIZN	300, 600	PG	.....do.....	Do.
Lake Flanders.....	KOGT	300, 600	PG	.....do.....	R. C. of A.
Lake Flatonia.....	KOGS	300, 600	PG	.....do.....	S. O. R. S.
Lake Flattery.....	KOMC	300, 600	PG	.....do.....	R. C. of A.
Lake Floravista.....	KUFC	300, 600	PG	.....do.....	Do.
Lake Florian.....	KUFD	300, 600	PG	.....do.....	Do.
Lake Floris.....	KUFF	300, 600	PG	.....do.....	Do.
Lake Flournoy.....	KUFG	300, 600	PG	.....do.....	Do.
Lake Flovilla.....	KESK	300, 600	PG	.....do.....	Do.
Lake Flume.....	KMUU	300, 600	PG	.....do.....	S. O. R. S.
Lake Flushing.....	KEBV	300, 600	PG	.....do.....	Do.
Lake Fluvanna.....	WLAU	300, 600	PG	.....do.....	I. W. T. Co.
Lake Flynnus.....	KECV	300, 600	PG	.....do.....	S. O. R. S.
Lake Folcroft.....	KEXL	300, 600	PG	.....do.....	R. C. of A.
Lake Fonda.....	KEZC	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fondulac.....	WSEO	300, 600	PG	.....do.....	R. C. of A.
Lake Fontana.....	KEZD	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fontanet.....	KEZF	300, 600	PG	.....do.....	R. C. of A.
Lake Forkville.....	WLEI	300, 600	PG	.....do.....	I. W. T. Co.
Lake Forney.....	WBUU	300, 600	PG	.....do.....	Do.
Lake Forsby.....	WCUA	300, 600	PG	.....do.....	R. C. of A.
Lake Fossil.....	WCUE	300, 600	PG	.....do.....	Do.
Lake Fostoria.....	WPIO	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fouche.....	WPIU	300, 600	PG	.....do.....	R. C. of A.
Lake Foxboro.....	KESB	300, 600	PG	.....do.....	I. W. T. Co.
Lake Foxcraft.....	KEGL	300, 600	PG	.....do.....	S. O. R. S.
Lake Fraichur.....	KEJJ	300, 600	PG	.....do.....	I. W. T. Co.
Lake Fraley.....	WCUI	300, 600	PG	.....do.....	Do.
Lake Frampton.....	KTAO	300, 600	PG	.....do.....	R. C. of A.
Lake Frances.....	WCUO	300, 600	PG	.....do.....	I. W. T. Co.
Lake Franconia.....	WCUU	300, 600	PG	.....do.....	R. C. of A.
Lake Fray.....	WDUA	300, 600	PG	.....do.....	S. O. R. S.
Lake Frazee.....	KENT	300, 600	PG	.....do.....	Do.
Lake Frecks.....	WDUI	300, 600	PG	.....do.....	R. C. of A.
Lake Freeborn.....	WDUO	300, 600	PG	.....do.....	I. W. T. Co.
Lake Freed.....	WDUU	300, 600	PG	.....do.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Lake Freezeout.....	WFUA	300,600	PG	U. S. S. B.....	R. C. of A.
Lake Frenchton.....	WFUE	300,600	PG	.....do.....	Do.
Lake Fresco.....	WNAU	300,450,600	PG	.....do.....	Do.
Lake Friar.....	KEFN	300,600	PG	.....do.....	S. O. R. S.
Lake Frio.....	KEFP	300,600	PG	.....do.....	I. W. T. Co.
Lake Frohma.....	KEGR	300,450,600	PG	.....do.....	S. O. R. S.
Lake Frolono.....	KEGN	300,600	PG	.....do.....	I. W. T. Co.
Lake Frugality.....	KEGP	300,600	PG	.....do.....	R. C. of A.
Lake Frumet.....	KIRJ	300,600	PG	.....do.....	Do.
Lake Fugard.....	WLEU	300,450,600	PG	.....do.....	I. W. T. Co.
Lake Furley.....	WMAA	300,600	PG	.....do.....	Do.
Lake Furlough.....	KEKP	300,600	PG	.....do.....	R. C. of A.
Lake Furnas.....	KUTV	300,600	PG	.....do.....	Do.
Lake Gadsden.....	KITP	300,600	PG	.....do.....	I. W. T. Co.
Lake Gaither.....	KOJZ	300,600	PG	.....do.....	S. O. R. S.
Lake Gakona.....	KVOU	300,600	PG	.....do.....	R. C. of A.
Lake Galata.....	KOJJ	300,600	PG	.....do.....	S. O. R. S.
Lake Galera.....	KXAT	300,600	PG	.....do.....	Do.
Lake Galewood.....	KOJX	300,600	PG	.....do.....	Do.
Lake Galien.....	KOJT	300,450,600	PG	.....do.....	R. C. of A.
Lake Galisteo.....	KUGL	300,600	PG	.....do.....	I. W. T. Co.
Lake Gamado.....	KUMB	300,600	PG	.....do.....	R. C. of A.
Lake Gardner.....	KXEO	300,600	PG	.....do.....	I. W. T. Co.
Lake Garza.....	KVOE	300,600	PG	.....do.....	R. C. of A.
Lake Gaspar.....	KVOI	300,450,600	PG	.....do.....	Do.
Lake Gazette.....	KIPN	300,600	PG	.....do.....	R. C. of A.
Lake Gebhart.....	KOGV	300,450,600	PG	.....do.....	Do.
Lake Gedney.....	KVUO	300,600	PG	.....do.....	S. O. R. S.
Lake Geneva.....	KXUA	300,600	PG	.....do.....	R. C. of A.
Lake George.....	KBEO	300,600	PG	.....do.....	I. W. T. Co.
Lake Gera.....	KOKS	300,600	PG	.....do.....	R. C. of A.
Lake Gert.....	KOMB	300,600	PG	.....do.....	Do.
Lake Getaway.....	KOLZ	300,600	PG	.....do.....	Do.
Lake Geyser.....	KULD	300,600	PG	.....do.....	I. W. T. Co.
Lake Giddings.....	KUCR	300,600	PG	.....do.....	R. C. of A.
Lake Gilboa.....	KEZJ	300,600	PG	.....do.....	Do.
Lake Gilpen.....	KEZK	300,600	PG	.....do.....	S. O. R. S.
Lake Gilta.....	KEZL	300,600	PG	.....do.....	I. W. T. Co.
Lake Giltedge.....	KEBM	300,600	PG	.....do.....	R. C. of A.
Lake Girardeau.....	KOCS	300,600	PG	.....do.....	Do.
Lake Girth.....	KEBN	300,600	PG	.....do.....	S. O. R. S.
Lake Gitano.....	KECM	300,600	PG	.....do.....	Do.
Lake Glasco.....	KINK	300,600	PG	.....do.....	R. C. of A.
Lake Glauces.....	KUMV	300,600	PG	.....do.....	S. O. R. S.
Lake Glebe.....	KIBB	300,600	PG	.....do.....	I. W. T. Co.
Lake Glencoe.....	KIGB	300,600	PG	.....do.....	Do.
Lake Gorin.....	WRIE	300,600	PG	.....do.....	Do.
Lake Gormania.....	WVIA	300,600	PG	.....do.....	Do.
Lake Govan.....	WVIU	300,600	PG	.....do.....	S. O. R. S.
Lake Gradan.....	WSUU	300,600	PG	.....do.....	R. C. of A.
Lake Grainger.....	KEJK	300,600	PG	.....do.....	Do.
Lake Gramma.....	KEJL	300,450,600	PG	.....do.....	I. W. T. Co.
Lake Grampian.....	KEKG	300,600	PG	.....do.....	Do.
Lake Grampus.....	KEKJ	300,600	PG	.....do.....	I. W. T. Co.
Lake Granby.....	KIDB	300,600	PG	.....do.....	Do.
Lake Grandon.....	WLAI	300,600	PG	.....do.....	Do.
Lake Graphite.....	WZOA	300,600	PG	.....do.....	R. C. of A.
Lake Gratis.....	WZOE	300,600	PG	.....do.....	Do.
Lake Grattan.....	WZOI	300,600	PG	.....do.....	I. W. T. Co.
Lake Gravella.....	WZOO	300,600	PG	.....do.....	S. O. R. S.
Lake Gravett.....	WZOU	300,600	PG	.....do.....	R. C. of A.
Lake Gravity.....	WBUA	300,600	PG	.....do.....	Do.
Lake Greenbrier.....	WBUE	300,600	PG	.....do.....	S. O. R. S.
Lake Greenwood.....	KTOI	300,600	PG	.....do.....	R. C. of A.
Lake Gretma.....	WBUI	300,600	PG	.....do.....	S. O. R. S.
Lake Grogan.....	WBUE	300,600	PG	.....do.....	R. C. of A.
Lake Gunn.....	KUNC	300,600	PG	.....do.....	S. O. R. S.
Lake Haresti.....	KUGN	300,600	PG	.....do.....	R. C. of A.
Lake Harminia.....	KUNB	300,600	PG	.....do.....	Do.
Lake Harnay.....	KGOE	300,600	PG	International Coal Transportation Corp.	I. W. T. Co.
Lake Harris.....	KXAU	300,600	PG	U. S. S. B.....	Do.
Lake Hector.....	KUMZ	300,600	PG	.....do.....	Do.
Lake Helen.....	KZOI	300,600	PG	.....do.....	R. C. of A.
Lake Hemlock.....	KLOE	300,600	PG	.....do.....	S. O. R. S.
Lake Hewes.....	KVUU	300,600	PG	.....do.....	Do.
Lakehurst.....	KLOI	300,600	PG	.....do.....	Do.

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## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by
Lake Ikanan.	KUCM	300,600	PG	U. S. S. B.	
Lake Inaha.	KEFM	300,600	PG	.....do.....	R. C. of A.
Lake Indian.	KZOO	300,600	PG	.....do.....	S. O. R. S.
Lake Inglenook.	KOBT	300,600	PG	.....do.....	
Lake Janet.	KFD	300,600	PG	.....do.....	Do.
Lake Jessup.	KHV	300,600	PG	International Coal Transportation Corp.	
Lake Kyttle.	WCOU	300,600	PG	U. S. S. B.	Do.
Lakeland.	KBOU	300,600	PG	.....do.....	R. C. of A.
Lakeland.	WDL	300,600	PG	Tri-State S. S. Co.	Do.
Lake Larga.	KMUE	300,600	PG	U. S. S. B.	S. O. R. S.
Lake Lasang.	KMUA	300,600	PG	.....do.....	R. C. of A.
Lake Ledan.	KTUA	300,600	PG	.....do.....	S. O. R. S.
Lake Lemando.	WCIO	300,600	PG	.....do.....	I. W. T. Co.
Lake Lesa.	KXOU	300,600	PG	.....do.....	S. O. R. S.
Lake Licoco.	WTAO	300,600	PG	.....do.....	Do.
Lake Lida.	KLOO	300,600	PG	.....do.....	R. C. of A.
Lake Lilleusun.	KZIO	300,600	PG	.....do.....	S. O. R. S.
Lake Lillian.	KXUI	300,600	PG	International Coal Transportation Corp.	
Lake Linden.	KZAE	300,600	PG	U. S. S. B.	R. C. of A.
Lake Louise.	KZUU	300,600	PG	.....do.....	Do.
Lake Marion.	KXEE	300,600	PG	.....do.....	Do.
Lake Markham.	KTOU	300,600	PG	.....do.....	Do.
Lake Mary.	KREO	300,600	PG	.....do.....	Do.
Lake Mattato.	WTAI	300,600	PG	.....do.....	I. W. T. Co.
Lake Maurepas.	KLEA	300,600	PG	.....do.....	R. C. of A.
Lake Medford.	KZOA	300,450,600	PG	.....do.....	Do.
Lake Monroe.	KTOE	300,600	PG	.....do.....	I. W. T. Co.
Lake Narka.	KTOA	300,600	PG	.....do.....	R. C. of A.
Lake Ogden.	KHU	300,600	PG	.....do.....	I. W. T. Co.
Lake Onawa.	KOJM	300,600	PG	.....do.....	Do.
Lake Ontario.	KBAA	300,600	PG	.....do.....	R. C. of A.
Lake Orange.	KZOU	300,600	PG	.....do.....	Do.
Lake Ormoc.	KVUA	300,600	PG	.....do.....	I. W. T. Co.
Lake Osweya.	KVAA	300,450,600	PG	.....do.....	Do.
Lake Otisco.	KLIA	300,600	PG	International Coal Transportation Corp.	R. C. of A.
Lake Otsquago.	KXAO	300,600	PG	U. S. S. B.	S. O. R. S.
Lake Pachuta.	KTUU	300,600	PG	.....do.....	Do.
Lake Pearl.	KVIO	300,600	PG	.....do.....	R. C. of A.
Lake Pepin.	KTUI	300,600	PG	.....do.....	Do.
Lake Powaukee.	KLEU	300,600	PG	.....do.....	Do.
Lake Pickaway.	WKAO	300,600	PG	.....do.....	I. W. T. Co.
Lake Pleasant.	KXEA	300,600	PG	.....do.....	S. O. R. S.
Lake Rushville.	KUDS	300,600	PG	.....do.....	I. W. T. Co.
Lake Saba.	KOS	300,600	PG	.....do.....	R. C. of A.
Lake Sanford.	KXEI	300,600	PG	.....do.....	Do.
Lake Sapor.	KEZB	300,600	PG	.....do.....	I. W. T. Co.
Lake Savus.	KOCB	300,600	PG	.....do.....	R. C. of A.
Lake Sebago.	KLUE	300,600	PG	.....do.....	I. W. T. Co.
Lake Shawano.	KLOU	300,600	PG	.....do.....	R. C. of A.
Lakeshore.	KBAU	300,600	PG	.....do.....	I. W. T. Co.
Lakeside Bridge.	KONF	300,600	PG	.....do.....	Do.
Lake Silver.	KHE	300,600	PG	.....do.....	I. W. T. Co.
Lake Singara.	KITQ	300,600	PG	.....do.....	S. O. R. S.
Lake Slavi.	KOTJ	300,600	PG	.....do.....	I. W. T. Co.
Lake St. Clair.	WNL	300,600	PG	.....do.....	Do.
Lake Stirling.	KBUE	300,600	PG	.....do.....	R. C. of A.
Lake Strabo.	KEBR	300,600	PG	.....do.....	S. O. R. S.
Lake St. Regis.	KLEE	300,600	PG	.....do.....	Do.
Lake Strymon.	KONS	300,600	PG	.....do.....	R. C. of A.
Lake Sunapee.	KLIU	300,600	PG	.....do.....	Do.
Lake Superior.	KBAO	300,600	PG	.....do.....	S. O. R. S.
Lake Tippah.	KOVC	300,600	PG	.....do.....	
Lake Traverse.	KBUA	300,600	PG	.....do.....	I. W. T. Co.
Lake Treba.	KOSQ	300,600	PG	.....do.....	Do.
Lake Tulare.	WDX	300,600	PG	International Coal Transportation Corp.	
Lakeview.	KBEE	300,600	PG	U. S. S. B.	R. C. of A.
Lakeville.	KXEU	300,600	PG	.....do.....	I. W. T. Co.
Lake Washburn.	KREI	300,600	PG	.....do.....	S. O. R. S.
Lake Weir.	KBEA	300,600	PG	.....do.....	
Lake Wilson.	KZAO	300,600	PG	.....do.....	R. C. of A.
Lake Wimico.	KSOI	300,450,600	PG	.....do.....	I. W. T. Co.
Lake Winona.	KLAU	300,600	PG	.....do.....	R. C. of A.
Lake Winooski.	KZIE	300,600	PG	.....do.....	S. O. R. S.
Lake Winthrop.	KZAI	300,600	PG	.....do.....	R. C. of A.
Lakewood.	KBOO	300,600	PG	.....do.....	
Lake Yahara.	KZAU	300,450,600	PG	.....do.....	S. O. R. S.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Lake Yelverton.....	KVOO	300, 600	PG	U. S. S. B .....	R. C. of A.
Lake Yemassee.....	KTOO	300, 600	PG	.....do.....	I. W. T. Co.
Lake Ypsilanti.....	WKEI	300, 600	PG	.....do.....	Do.
Lake Zaliski.....	WKAJ	300, 600	PG	.....do.....	Do.
Lampasas.....	KEP	300, 450, 600	PG	Mallory S. S. Co.	Do.
Lancaster.....	KQUE	300, 600	PG	Imperial Shipping Corp.	R. C. of A.
Lansdowne.....	KONP	300, 600	PG	U. S. S. B.....	Do.
Lansing.....	WTC	300, 600, 1800	PG	Union S. S. Co.....	F. T. Co.
Laramie.....	KUBC	300, 600	PG	U. S. S. B.....	S. O. R. S.
Las Vegas.....	KUQM	300, 450, 600	PG	.....do.....	R. C. of A.
Latham.....	KUKR	300, 450, 600	PG	.....do.....	S. O. R. S.
Latoka.....	WLUA	300, 600	PG	.....do.....	Do.
Latouche.....	WAI	300, 600	PG	Alaska S. S. Co.....	I. W. T. Co.
Laurel.....	WTUE	300, 600	PG	U. S. S. B.....	Do.
Lebanon.....	KIXL	300, 600	PG	.....do.....	S. O. R. S.
Lehigh.....	KINM	300, 600	PG	.....do.....	I. W. T. Co.
Lenape.....	KVL	300, 450, 600	PG	Clyde S. S. Co.....	Owner of vessel.
Levi G. Burgess.....	WOX	300, 600	PG	Alaska Portland Packers Assn.	T. R. T. Co.
Levisa.....	KDL	300, 600	PG	United Fruit Co.....	Owner of vessel.
Lewis K. Thurlow.....	KXY	300, 450, 600	PG	Crowell & Thurlow S. S. Co.	I. W. T. Co.
Lewis Luckenbach.....	WFOE	300, 600	PG	Luckenbach S. S. Co.....	S. O. R. S.
Lewiston.....	WSOU	300, 600	PG	U. S. S. B.....	I. R. T. Co.
Lexington.....	KNB	300, 550, 600	PG	Colonial Navigation Co.	I. R. T. Co.
Libby Maine.....	KDV	300, 450, 555	PG	Libby, McNeil & Libby.	S. O. R. S.
Liberator.....	KRIU	300, 600	PG	U. S. S. B.....	Do.
Liberty.....	WCOO	300, 600	PG	.....do.....	Do.
Liberty Bell.....	KUJX	300, 600	PG	.....do.....	I. W. T. Co.
Liberty Land.....	KISS	300, 600	PG	.....do.....	S. O. R. S.
Liberty Minquas.....	KUBJ	300, 450, 600	PG	.....do.....	I. W. T. Co.
Lightburne.....	KIVF	300, 600	PG	.....do.....	R. C. of A.
Ligonier.....	KTD	300, 600	PG	Gulf Refining Co.	T. R. T. Co.
Limon.....	KDR	300, 450, 600	PG	United Fruit Co.	I. W. T. Co.
Lithopolis.....	WQEAA	300, 600	PG	U. S. S. B.....	R. C. of A.
L. J. Drake.....	WZAA	300, 600	PG	Standard Oil Co. of N. J.	I. W. T. Co.
Lockport.....	KIXM	300, 600	PG	U. S. S. B.....	R. C. of A.
Lone Star.....	KZUO	300, 600	PG	.....do.....	I. W. T. Co.
Loone.....	KPOI	300, 600	PG	.....do.....	Owner of vessel.
Loon.....	KUGJ	300, 450, 600	PG	East Coast Fisheries Co.	T. R. T. Co.
Lorain.....	KIFZ	300, 600	PG	U. S. S. B.....	R. C. of A.
Lordship Manor.....	KIXN	300, 600	PG	.....do.....	Do.
Loretta.....	KUXF	300, 450, 600	PG	.....do.....	Do.
Los Angeles.....	WOL	300, 600, 1, 800	PG	Union Oil Co.....	F. T. Co.
Louise.....	KUKN	300, 600	PG	E. D. Burge.....	Owner of vessel.
Louisiana.....	KUL	300, 450, 600	PG	Texaco.....	I. W. T. Co.
Louisville Bridge.....	KIDF	300, 600	PG	U. S. S. B.....	Do.
Luella.....	KLAQ	300, 600	PG	.....do.....	Do.
Lurline.....	WML	300, 450, 600	PG	Matson Navigation Co.	R. C. of A.
Luxpalile.....	KIPV	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Lycoming.....	KOMK	300, 600	PG	.....do.....	R. C. of A.
Lydia.....	WROI	300, 600	PG	Lydia S. S. Co.....	Do.
Lyman Stewart.....	WTL	300, 600, 1, 800	PG	Union Oil Co.....	F. T. Co.
Lyndonia.....	KULZ	300, 600	PG	C. H. K. Curtis.....	R. C. of A.
M. A. Bradley.....	WQH	300, 600	PG	Harvey H. Brown & Co.	Do.
Macomet.....	KORC	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Maddequet.....	KUGZ	300, 600	PG	.....do.....	R. C. of A.
Madison.....	KOG	300, 450, 600	PG	Old Dominion S. S. Co.	S. O. R. S.
Magmeric.....	KOJS	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Magunkook.....	WJUO	300, 600	PG	.....do.....	R. C. of A.
Mahanna.....	KKP	300, 600	PG	.....do.....	Do.
Mahaska.....	WFAU	300, 600	PG	.....do.....	Do.
Mahnet.....	KFM	300, 600	PG	.....do.....	Do.
Maiden Creek.....	KIPX	300, 600	PG	.....do.....	Do.
Maine.....	KUQ	300, 450, 600	PG	.....do.....	Do.
Maitland No. 1.....	WLE	300, 600	PG	Toronto, Hamilton & Buffalo Navigation Co.	Do.
Major Wheeler.....	WFII	300, 600	PG	U. S. S. B.....	S. O. R. S.
Makanda.....	KPUA	300, 600	PG	.....do.....	Do.
Malden.....	KZV	300, 450, 600	PG	New England Fuel & Transportation Co.	R. C. of A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Manada.....	KNOA	300, 600	PG	U. S. S. B.....	S. O. R. S.
Manatee.....	KURN	300, 600	PG	.....do.....	I. W. T. Co.
Manchuria.....	WWE	300, 600	PG	Atlantic Transport Co.	R. C. of A.
Mangore.....	KHP	300, 450, 600	PG	Ore S. S. Corp.....	I. W. T. Co.
Manham.....	KORS	300, 600	PG	U. S. S. B.....	R. C. of A.
Manitou.....	WFW	300, 600	PG	Northern Michigan Transportation Co.	S. O. R. S.
Manitowoc.....	KRQ	300, 450, 525, 600	PG	American Transatlantic Co.	I. W. T. Co.
Mannahocking.....	KEZX	300, 600	PG	U. S. S. B.....	R. C. of A.
Manoa.....	WMQ	300, 450, 600	PG	Matson Navigation Co.	Do.
Manoa.....	KOQ	300, 600	PG	American Interlake Co.,	I. W. T. Co.
Manuel Rionda.....	KUXX	300, 600	PG	Sinclair Navigation Co.	R. C. of A.
Maquan.....	KOVD	300, 450, 600	PG	U. S. S. B.....	Do.
Maracaibo.....	KDM	300, 450, 600	PG	Atlantic & Caribbean Steam Navigation Co.	Dg.
Maratanza.....	WCEI	300, 600	PG	U. S. S. B.....	S. O. R. S.
Margaret.....	KUQS	300, 600	PG	Red Salmon Canning Co.	I. W. T. Co.
Margaret.....	KZO	300, 600	PG	A. H. Bull S. S. Co....	Owner of vessel.
Margaret.....	WRQ	300, 450, 525, 600	PG	Margaret Ship Co. (Inc.)	R. C. of A.
Margus.....	KONG	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Mariana.....	WWZ	300, 450, 600	PG	New York & Porto Rico S. S. Co.	R. C. of A.
Marica.....	KNK	300, 600	PG	U. S. S. B.....	S. O. R. S.
Marina.....	KIVD	300, 450, 600	PG	Bull-Insular S. S. Co.	R. C. of A.
Mariners Harbor.....	KKEU	300, 600	PG	U. S. S. B.....	Do.
Marquette & Bessemer No. 1.....	WEW	300, 425, 540, 600	PR	Marquette & Bessemer Dock & Navigation Co.	Owner of vessel.
Marquette & Bessemer No. 2.....	WEX	300, 425, 540, 600	PR	.....do.....	Do.
Marshfield.....	KECC	300, 600	PG	U. S. S. B.....	R. C. of A.
Marsodak.....	KOCM	300, 600	PG	.....do.....	S. O. R. S.
Martha Washington.....	KUQF	300, 600	PG	.....do.....	Do.
Maruba.....	WZEE	300, 600	PG	Inter-Coast S. S. Co.	I. W. T. Co.
Maryanne.....	KFL	300, 600	PG	Maryanne Shipping Co.	S. O. R. S.
Masca.....	KIBL	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Mascotte.....	KOW	300, 600	PG	Peninsular & Occidental Steamship Co.	R. C. of A.
Mason City.....	KUGX	300, 600	PG	U. S. S. B.....	S. O. R. S.
Massick.....	KOPF	300, 600	PG	.....do.....	Do.
Massillon Bridge.....	KONJ	300, 600	PG	.....do.....	I. W. T. Co.
Masuda.....	KMII	300, 600	PG	.....do.....	S. O. R. S.
Matanzas.....	WFEU	300, 450, 600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Matinicock.....	KID	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Matoa.....	KMJ	300, 600	PG	Warren Transportation Co.	Do.
Matsonia.....	WMP	300, 450, 600	PG	Matson Navigation Co.	I. W. T. Co.
Mattapan.....	WCEO	300, 600	PG	U. S. S. B.....	Do.
Mattole.....	KUSV	300, 600	PG	.....do.....	I. W. T. Co.
Mauban.....	KRAE	300, 600	PG	Compania de Tabocas del Filipinas.	R. C. of A.
Maui.....	WMR	300, 450, 600	PG	Matson Navigation Co.	I. W. T. Co.
Mazama.....	KNUO	300, 600	PG	Mazama S. S. Co.	Owner of vessel.
Mazatlan.....	KUBQ	300, 600	PG	California-Mexican S. S. Co.	R. C. of A.
McClellan.....	KYF	300, 600	PG	U. S. S. B.....	I. W. T. Co.
McCreary County.....	KOQP	300, 600	PG	.....do.....	S. O. R. S.
McKeesport.....	KEXB	300, 600	PG	.....do.....	I. W. T. Co.
Medford.....	WRUE	300, 600	PG	.....do.....	Owner of vessel.
Medina.....	KEI	300, 450, 600	PG	Mallory S. S. Co.	R. C. of A.
Medric.....	KURQ	300, 600	PG	East Coast Fisheries Co.	I. W. T. Co.
Mehanno.....	KUDJ	300, 600	PG	U. S. S. B.....	Do.
Melrose.....	KZW	300, 600	PG	New England Fuel & Transportation Co.	I. W. T. Co.
Mendora.....	KIKN	300, 378, 600	PG	U. S. S. B.....	R. C. of A.
Menominee.....	KODL	300, 600	PG	.....do.....	I. W. T. Co.
Mercer.....	KEPF	300, 600	PG	.....do.....	Do.
Mercer Victory.....	KIVG	300, 600	PG	.....do.....	I. W. T. Co.
Meriden.....	KILP	300, 476, 600	PG	General S. S. Corp.	R. C. of A.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Merrimack.....	KQM	300,450,600	PG	Merchants & Miners Transportation Co.	I. W. T. Co.
Merry Mount.....	KOGX	300,600	PG	U. S. S. B.....	S. O. R. S.
Metapan.....	KLF	300,600	PG	United Fruit Co.....	T. R. T. Co.
Mexican.....	WKL	300,600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Mexicano.....	KGM	300,450,600	PG	Pierce Oil Corp.....	R. C. of A.
Mexico.....	KWX	300,450,600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Mexoil.....	WQIA	300,600	PG	Pan-American Pet. & Transport Co.	R. C. of A.
Miami.....	KOZ	300,600	PG	Peninsular & Occidental S. S. Co.	Do.
Middlebury.....	KZAA	300,600	PG	U. S. S. B.....	I. W. T. Co.
Middlesex.....	WRO	300,600	PG	Coastwise Transportation Co.	R. C. of A.
Miller County.....	KERX	300,600	PG	U. S. S. B.....	Do.
Millinocket.....	KNM	300,600	PG	A. H. Bull S. S. Co.	I. W. T. Co.
Milwaukee.....	KEXS	300,600	PG	Grand Trunk Car Ferry Line.	R. C. of A.
Milwaukee Bridge.....	KIBF	300,450,600	PG	U. S. S. B.....	Do.
Mineola.....	KSEE	300,600	PG	Grace S. S. Co.....	Do.
Minnequa.....	KIVB	300,600	PG	U. S. S. B.....	I. W. T. Co.
Minnesota.....	WMI	300,450,600	PG	Atlantic Transport Co.	Do.
Minnesota.....	WEK	300,600	PG	U. S. S. B.....	R. C. of A.
Minnesotan.....	WKM	300,600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Minnewawa.....	KOPG	300,600	PG	U. S. S. B.....	R. C. of A.
Minooka.....	KOZN	300,450,600	PG	do.....	Do.
Miskianza.....	KOZM	300,600	PG	do.....	Do.
Missouri.....	WFX	300,600	PG	Northern Michigan Transportation Co.	Do.
Mitchell.....	KOTF	300,600	PG	U. S. S. B.....	Do.
M. J. Scanlon.....	WJAO	300,450,600	PG	do.....	S. O. R. S.
M. Mitchell Davis.....	KDAG	300,450,600	PR	C. E. Davis Packing Co.	Owner of vessel.
Moccasin.....	WJD	300,600	PG	U. S. S. B.....	R. C. of A.
Mohawk.....	KYU	300,600	P	Ralph E. Barry.....	Owner of vessel.
Mohawk.....	KVM	300,450,600	PG	Clyde S. S. Co.....	I. W. T. Co.
Mohawk.....	KXE	300,550,600	PG	New England S. S. Co.	I. R. T. Co.
Mohegan.....	KXM	300,550,600	PG	do.....	Do.
Mohninks.....	KUKP	300,450,600	PG	U. S. S. B.....	I. W. T. Co.
Mojave.....	WJEA	300,600	PG	do.....	S. O. R. S.
Moldegaard.....	KNR	300,600	PG	Bull Insular S. S. Co.	R. C. of A.
Moline.....	KEXN	300,600	PG	U. S. S. B.....	I. W. T. Co.
Momus.....	KKM	300,450,600	PG	Southern Pacific Co.	R. C. of A.
Monana.....	KFEQ	300,600	PG	U. S. S. B.....	S. O. R. S.
Monasses.....	KILX	300,600	PG	do.....	I. W. T. Co.
Mongolia.....	WWN	300,600	PG	Atlantic Transport Co.	Do.
Monmouth.....	WXUO	300,600	PG	U. S. S. B.....	Do.
Mono.....	WBOA	300,450,600	PG	do.....	S. O. R. S.
Monomac.....	KORP	300,600	PG	do.....	I. W. T. Co.
Monroe.....	KOSF	300,600	PG	do.....	Do.
Montague.....	KOMV	300,600	PG	do.....	Do.
Montana.....	KOJF	300,600	PG	American Transportation Co.	Do.
Montclair.....	KVII	300,600	PG	U. S. S. B.....	Do.
Monterey.....	KWY	300,450,600	PG	New York & Cuba Mail S. S. Co.	Do.
Montezuma.....	KSUU	300,600	PG	U. S. S. B.....	S. O. R. S.
Montfaucon.....	KUQZ	300,600	PG	Independent S. S. Co.	R. C. of A.
Montgomery.....	KIJP	300,600	PG	do.....	I. W. T. Co.
Monticello.....	WLJ	300,600	PG	do.....	Do.
Montoso.....	WKY	300,450,600	PG	New York & Porto Rico S. S. Co.	Do.
Montpelier.....	WLZ	300,600	PG	U. S. S. B.....	S. O. R. S.
Montrolie.....	WEQ	300,600	PG	Standard Oil Co. of N. J.	R. C. of A.
Moonlite.....	KPL	300,450,600	PG	do.....	Do.
Mooseabee.....	KIKP	300,600	PG	U. S. S. B.....	S. O. R. S.
Moosehausie.....	KOGD	300,600	PG	do.....	I. W. T. Co.
Mositauke.....	KOKG	300,600	PG	do.....	Do.
Mopang.....	KOPX	300,600	PG	do.....	Do.
Moraine.....	KPEU	300,600	PG	do.....	Do.
Moravia Bridge.....	KOZG	300,600	PG	do.....	S. O. R. S.
Morganza.....	KEGB	300,600	PG	do.....	I. W. T. Co.
Moritz.....	KPEI	300,600	PG	do.....	S. O. R. S.
Morristown.....	WGAI	300,600	PG	do.....	Do.
Morro Castle.....	KWC	300,450,600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Moshico.....	KOBX	300, 600	PG	U. S. S. B.....	R. C. of A.
Moss Point.....	KETJ	300, 600	PG	.....do.....	S. O. R. S.
Mount Baker.....	KYD	300, 600	PG	Gaston, Williams & Wigmore S. S. Corp.	R. C. of A.
Mount Evans.....	KIMT	300, 600	PG	U. S. S. B.....	S. O. R. S.
Mount Hope.....	KOL	300, 600	P	Providence, Fall River & Newport Steamboat Co.	Owner of vessel.
Mount Rainier.....	WSOE	300, 600	PG	Gaston, Williams & Wigmore.	R. C. of A.
Mount Shasta.....	WHH	300, 450, 600	PG	U. S. S. B.....	I. W. T. Co.
Mt. Vernon Bridge.....	KWA	300, 600	PG	.....do.....	Do.
Mulpua.....	KIDJ	300, 600	PG	.....do.....	S. O. R. S.
Multnomah.....	WMA	300, 600	PG	Multnomah S. S. Co.	R. C. of A.
Manaires.....	WJN	300, 600	PG	Munson S. S. Lines.	Do.
Munalbro.....	KUX	300, 600	PG	.....do.....	Do.
Munamar.....	KUI	300, 600	PG	.....do.....	Do.
Mundale.....	KUJ	300, 450, 600	PG	.....do.....	Do.
Mundelta.....	KUF	300, 600	PG	.....do.....	Do.
Munindies.....	KVE	300, 600	PG	.....do.....	Do.
Munplace.....	KUG	300, 450, 600	PG	.....do.....	Do.
Munra.....	WDAA	300, 378, 600	PG	U. S. S. B.....	S. O. R. S.
Munrio.....	KVD	300, 600	PG	Munson S. S. Co.	R. C. of A.
Munsomo.....	KUK	300, 450, 600	PG	.....do.....	Do.
Munwood.....	KUH	300, 600	PG	.....do.....	Do.
Muscatine.....	KJII	300, 600	PG	U. S. S. B.....	S. O. R. S.
Musketo.....	WDAE	300, 600	PG	.....do.....	R. C. of A.
Muskogee.....	KIB	300, 450, 600	PG	Standard Oil Co. of N. J.	Do.
Mystery.....	KYZ	300, 600	-----	Lucy Work Hewitt.	I. W. T. Co.
Mystic.....	KHZ	300, 600	PG	Shawmut S. S. Co.	Owner of vessel.
N. & K. No. 2.....	KDAJ	300, 600	PG	Fish Canners Co.	I. W. T. Co.
Nacogdoches.....	KKIU	300, 600	PG	U. S. S. B.....	R. C. of A.
Nacochee.....	KFP	300, 450, 600	PG	Ocean S. S. Co.	Do.
Naiwa.....	WCIU	300, 450, 600	PG	U. S. S. B.....	I. W. T. Co.
Nameau.....	KITN	300, 600	PG	.....do.....	Do.
Nameoki.....	WFAA	300, 600	PG	.....do.....	R. C. of A.
Nanking.....	KKEE	300, 450, 600	PG	China Mail S. S. Co.	I. W. T. Co.
Nansemond.....	WQR	300, 450, 600	PG	U. S. S. B.....	Do.
Nanshon.....	KUTL	300, 600	PG	.....do.....	Do.
Nantahala.....	WGIE	300, 600	PG	.....do.....	I. W. T. Co.
Nantasket.....	WLIO	300, 600	PG	.....do.....	Do.
Nantucket.....	KQN	300, 450, 600	PG	Merchants & Miners Transportation Co.	Do.
Nashotah.....	WBBOU	300, 600	PG	U. S. S. B.....	Do.
National Bridge.....	KIBG	300, 450, 600	PG	.....do.....	S. O. R. S.
Naugus.....	KUPS	300, 450, 600	PG	.....do.....	R. C. of A.
Navaho.....	KOR	300, 450, 600	PG	Trans-Oceanic Shipping Co.	Do.
Nawitka.....	KELZ	300, 600	PG	U. S. S. B.....	Do.
Neabsoe.....	KEKV	300, 450, 600	PG	Nacirema S. S. Corp.	Do.
Nedmac.....	KIQM	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Neelolah.....	WLOA	300, 600	PG	.....do.....	S. O. R. S.
Nehalem.....	KEBC	300, 450, 600	PG	Pacific Mercantile Marine Co.	R. C. of A.
Nelson.....	KNL	300, 450, 600	PG	Cuba Distilling Co.	Do.
Nemaha.....	KUSR	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Nemassa.....	KEQL	300, 600	PG	.....do.....	Do.
Neponset.....	WQIO	300, 600	PG	.....do.....	Do.
Neptune.....	KORZ	300, 450, 600	PG	Mexican Fruit & S. S. Co.	W. S. Co.
Neptune.....	KUN	300, 600	PG	U. S. S. B.....	S. O. R. S.
Nesco.....	KEBT	300, 600	PG	.....do.....	I. W. T. Co.
Neshaminy.....	KILN	300, 600	PG	.....do.....	Do.
Neshobee.....	KUNK	300, 450, 600	PG	.....do.....	R. C. of A.
Neuse.....	WLT	300, 450, 600	PG	.....do.....	Do.
New Britain.....	KIRG	300, 600	PG	Great Northwestern Shipping Corp.	Do.
Newburgh.....	WZUE	300, 600	PG	U. S. S. B.....	S. O. R. S.
New England.....	KUCB	300, 600	PG	.....do.....	I. W. T. Co.
New Hampshire.....	KXF	300, 550, 600	PG	New England S. S. Co.	I. R. T. Co.
New Haven.....	KXN	300, 550, 600	PG	.....do.....	Do.
Newport.....	WWH	300, 600	PG	Pacific Mail S. S. Co.	F. T. Co.
Newton.....	KZX	300, 450, 600	PG	New England Fuel & Tr. Co.	R. C. of A.
Newton.....	KIRC	300, 600	PG	U. S. S. B.....	I. W. T. Co.
New Windsor.....	KGAE	300, 600	PG	.....do.....	R. C. of A.
New York.....	KSN	300, 600	PG	International Mercantile Marine Co.	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
New York.....	KUW	300, 450, 600	PG	Texas Co.....	I. W. T. Co.
Nika.....	KOPM	300, 600	PG	Hodge Ship Co.....	Do.
Nile.....	KOSD	300, 600	PG	U. S. S. B.....	Do.
Nipman.....	KOQX	300, 600	PG	.....do.....	Do.
Nipsic.....	KCOE	300, 600	PG	.....do.....	S. O. R. S.
Nishmaha.....	KEVM	300, 600	PG	.....do.....	I. W. T. Co.
Nobles.....	KODB	300, 600	PG	.....do.....	S. O. R. S.
Noocalula.....	KORF	300, 600	PG	.....do.....	I. W. T. Co.
Nockum.....	KOGJ	300, 600	PG	.....do.....	S. O. R. S.
Noddle Island.....	KUKK	300, 600	PG	.....do.....	Do.
Nokatay.....	KOCF	300, 600	PG	.....do.....	R. C. of A.
Noma.....	KYQ	300, 600	PG	Vincent Astor.....	S. O. R. S.
Nonantum.....	KIXP	300, 600	PG	U. S. S. B.....	R. C. of A.
Norfolk.....	WZUA	300, 600	PG	Coastwise Transportation Co.	
Norlina.....	KJE	300, 600	PG	Garland S. S. Corp.....	Do.
Norma.....	KEKC	300, 450, 600	PG	U. S. S. B.....	S. O. R. S.
Norman Bridge.....	WIG	300, 450, 600	PG	Pan-American Pet. & Tr. Co.	R. C. of A.
North American.....	WEN	300, 600	PG	Chicago, Duluth & Georgian Bay S. S. Co.	Do.
Northbend.....	WPB	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Northern Star.....	KOKC	300, 600	PG	.....do.....	R. C. of A.
North Land.....	KJD	300, 600	PG	Eastern S. S. Lines.....	Do.
Northland.....	WGJ	300, 450, 600	PG	Albers Bros. Milling Co.	S. O. R. S.
North Pines.....	WZEU	300, 600	PG	North Pines S. S. Co.....	R. C. of A.
North Pole.....	KELB	300, 600	PG	U. S. S. B.....	S. O. R. S.
Northwestern.....	WAN	300, 600	PG	Alaska S. S. Co.....	Do.
Northwestern.....	KUO	300, 450, 600	PG	Texas Co.....	Owner of vessel.
Northwestern Bridge.....	KONK	300, 600	PG	U. S. S. B.....	R. C. of A.
North Wind.....	KYB	300, 600	P	Charles M. Clark.....	Owner of vessel.
Norumbega.....	KOZX	300, 450, 600	PG	U. S. S. B.....	I. W. T. Co.
Norwood.....	WSG	300, 450, 600	PG	Pacific American Fisheries.	S. O. R. S.
Nueces.....	KEH	300, 600	PG	Mallory S. S. Co.....	R. C. of A.
Nupolela.....	WLDE	300, 600	PG	U. S. S. B.....	S. O. R. S.
Nushagak.....	WNE	300, 400, 600	PG	Alaska Packers Assn.....	Owner of vessel.
Nuuau.....	WWT	300, 600	PG	General Petroleum Corp.	R. C. of A.
Nyanza.....	WJO	300, 600	PG	U. S. S. B.....	I. W. T. Co.
O. A. Hermanson.....	WRA	300, 600	PG	Southern Oil & Transport Corp.	
Oakland.....	KMOO	300, 600	PG	U. S. S. B.....	Do.
Oakley C. Curtis.....	KQL	300, 450, 600	PG	France & Canada S. S. Corp.	R. C. of A.
Obak.....	KELV	300, 600	PG	U. S. S. B.....	S. O. R. S.
Occidental.....	KUSJ	300, 600	PG	Texas S. S. Co.....	I. W. T. Co.
Oconee.....	KJC	300, 600	PG	E. H. Greene & Co.....	Do.
Octorara.....	WCD	300, 600	PG	Great Lakes Transit Corp.	R. C. of A.
Octorara.....	KRIO	300, 600	PG	U. S. S. B.....	Do.
Oglethorpe.....	WZUU	300, 600	PG	.....do.....	S. O. R. S.
Ogontz.....	KINB	300, 600	PG	.....do.....	I. W. T. Co.
Ohioan.....	WKQ	300, 600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Ohonkara.....	KURV	300, 600	-----	Carl Tucker.....	
Okesa.....	WXEE	300, 600	PG	U. S. S. B.....	S. O. R. S.
Okiya.....	WRUI	300, 600	PG	.....do.....	Do.
Oklahoma City.....	KUML	300, 600	PG	.....do.....	I. W. T. Co.
Olen.....	KINR	300, 450, 600	PG	.....do.....	R. C. of A.
Oleum.....	WTD	300, 600, 1800	PG	Union Oil Co.....	F. T. Co.
Oneco.....	KZUI	300, 600	PG	U. S. S. B.....	Owner of vessel.
Oneida.....	KYP	300, 600	P	E. C. Benedict.....	S. O. R. S.
Onekama.....	KEDK	300, 600	PG	U. S. S. B.....	Do.
Oneonta.....	WPX	300, 450, 600	PG	Port of Portland, Oreg.	I. W. T. Co.
Ontario.....	KQO	300, 450, 600	PG	Merchants & Miners Transportation Co.	
Opelika.....	KECL	300, 600	PG	U. S. S. B.....	R. C. of A.
Opequan.....	KIBK	300, 600	PG	.....do.....	I. W. T. Co.
Ophis.....	KODZ	300, 600	PG	.....do.....	R. C. of A.
Oran.....	WQK	300, 440, 525, 600	PG	Oriental Navigation Co.	Do.
Orani.....	KOBD	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Oraton.....	KEMR	300, 600	PG	.....do.....	R. C. of A.
Orcus.....	KISC	300, 600	PG	.....do.....	Do.
Oregon.....	WGD	300, 600	PG	Alaska-Pacific Navigation Co.	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by
Oregon.....	WOC	300,450,600	PG	Henry Wilson.....	R. C. of A.
Oregon.....	WOU	300,600	PG	Crowley Launch & Tugboat Co.	Do.
Oregonian.....	WKO	300,600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Orient.....	KOLC	300,450,600	PG	Orient S. S. Corp.....	R. C. of A.
Orinoco.....	KIMX	300,600	PG	Orinoco S. S. Co.....	S. O. R. S.
Orion.....	WLO	300,450,600	PG	U. S. S. B.....	I. W. T. Co.
Orizaba.....	KMEI	300,600	PG	New York & Porto Rico Mail S. S. Co.	
Orleans.....	KIDZ	300,600	PG	Orleans S. S. Corp.....	R. C. of A.
Oronoke.....	KUNL	300,600	PG	U. S. S. B.....	Do.
Osage.....	WJU	300,450,600	PG	.....do.....	I. W. T. Co.
Osakis.....	WFOI	300,600	PG	.....do.....	R. C. of A.
Osagamisick.....	KEVN	300,600	PG	.....do.....	S. O. R. S.
Osawatomie.....	KEVB	300,600	PG	.....do.....	Do.
Oscoa.....	KEKT	300,600	PG	.....do.....	I. W. T. Co.
Oshkosh.....	WFUU	300,600	PG	.....do.....	S. O. R. S.
Oskaloosa.....	WJII	300,600	PG	.....do.....	I. W. T. Co.
Oskawa.....	WGUA	300,600	PG	.....do.....	Do.
Osprey.....	KUJN	300,600	PG	East Coast Fisheries Co.	
Ossa.....	KUFZ	300,450,600	PG	U. S. S. B.....	S. O. R. S.
Ossineke.....	WTW	300,600	PG	.....do.....	Do.
Ossining.....	KEFR	300,600	PG	.....do.....	R. C. of A.
Otho.....	KULX	300,450,600	PG	.....do.....	Do.
Otsego.....	WDG	300,450,600	PG	.....do.....	Do.
Otto M. Reiss.....	WNG	300,450,600	PG	Reiss S. S. Co.....	Do.
O. T. Waring.....	KJW	300,450,600	PG	Standard Oil Co. of N. J.	Do.
Outagamie.....	KULS	300,600	PG	U. S. S. B.....	
Overbrook.....	KLAE	300,600	PG	.....do.....	Do.
Owatama.....	WMOO	300,600	PG	.....do.....	I. W. T. Co.
Owego.....	KFQ	300,450,600	PG	Winett Operating Co. (Inc.)	R. C. of A.
Oyaka.....	KELX	300,600	PG	U. S. S. B.....	I. W. T. Co.
Ozama.....	WRX	300,600	PG	Atlantic Gulf & West Indies S. S. Co.	
Ozaukee.....	WXAA	300,600	PG	U. S. S. B.....	S. O. R. S.
Ozette.....	KEVP	300,600	PG	.....do.....	I. W. T. Co.
Ozmo.....	KUJL	300,600	PG	Northern Commercial Co.	R. C. of A.
Padnsey.....	KUQG	300,600	PG	U. S. S. B.....	S. O. R. S.
Palisades.....	KOLV	300,600	PG	.....do.....	R. C. of A.
Pallas.....	KUTJ	300,450,600	PG	.....do.....	I. W. T. Co.
Panama.....	KMHD	300,450,600	PG	Panama R. R. Co.....	Owner of vessel.
Panaman.....	WKR	300,600	PG	American-Hawaiian S. S. Co.	Do.
Pan-American.....	KUT	300,450,600	PG	Texas S. S. Co.....	R. C. of A.
Panay.....	KEMJ	300,450,525, 600	PG	Madrigal & Co.....	
Panga.....	WJEU	300,600	PG	U. S. S. B.....	S. O. R. S.
Panoil.....	KUQC	300,600	PG	Pan-American Petroleum & Transport Co.	R. C. of A.
Panola.....	WMUO	300,600	PG	U. S. S. B.....	I. W. T. Co.
Pansa.....	KUZN	300,600	PG	.....do.....	R. C. of A.
Panuco.....	KMM	300,600	PG	Sinclair Gulf Corp.....	Do.
Panuco.....	KWM	300,450,600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Paraguay.....	KTT	300,600	PG	Sun Co.....	R. C. of A.
Paraiso.....	WRI	300,600	PG	Oliver J. Olsen.....	Owner of vessel.
Parismina.....	KDG	300,600	PG	United Fruit Co.....	T. R. T. Co.
Parksville.....	KIZG	300,600	PG	U. S. S. B.....	I. W. T. Co.
Parthian.....	WCE	300,600	PG	Olympia Shipping Corp.	R. C. of A.
Pasadena.....	KMEU	300,450,600	PG	U. S. S. B.....	I. W. T. Co.
Pascagoula.....	WBII	300,600	PG	.....do.....	R. C. of A.
Passaic Bridge.....	KIBJ	300,600	PG	.....do.....	S. O. R. S.
Pastores.....	KLA	300,600	PG	United Fruit Co.....	T. R. T. Co.
Patrick Henry.....	KUPM	300,600	PG	U. S. S. B.....	R. C. of A.
Patrol.....	KIN	300,400,600	P	Police Department, City of New York.	Owner of vessel.
Paul H. Harwood.....	KJIO	300,600	PG	Pan-American Petroleum & Transport Co.	R. C. of A.
Paulsboro.....	KRS	300,450,600	PG	Vacuum Oil Co.....	Do.
Pawlet.....	KUBL	300,600	PG	U. S. S. B.....	Do.
Pawnee.....	WLU	300,450,600	PG	.....do.....	S. O. R. S.
Pawtucket.....	KINZ	300,600	PG	.....do.....	R. C. of A.
Pearl Shell.....	WIC	300,450,600	PG	Pearl Shell S. S. Co.....	Owner of vessel.
Peconic.....	KDAF..	300,450,600	PR	C. E. Davis Packing Co.	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Peekskill.....	KOMX	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Penguin.....	KOMJ	300, 450, 600	PG	Penguin Co.....	Owner of vessel.
Pennant.....	KME	300, 450, 600	PG	Pierce Oil Corp.....	R. C. of A.
Pennsylvania.....	KUP	300, 450, 600	PG	Texas S. S. Co.....	I. W. T. Co.
Pennsylvania.....	WKP	300, 600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Pequonnock.....	KXP	300, 550, 600	PG	New England S. S. Co.	I. R. T. Co.
Pequot.....	WLX	300, 600	PG	U. S. S. B.....	R. C. of A.
Pere Marquette.....	WDA	300, 500, 600	PR	Pere Marquette R. R. Co.	Do.
Pere Marquette 8.....	KINL	300, 600	PR	.....do.....	Do.
Pere Marquette 17.....	WDC	300, 500, 600	PR	.....do.....	Do.
Pere Marquette 18.....	WDD	300, 450, 600	PR	.....do.....	Do.
Pere Marquette 19.....	WDB	300, 500, 600	PR	.....do.....	Do.
Pere Marquette 20.....	WDE	300, 500, 600	PR	.....do.....	Do.
Perfection.....	KTN	300, 450, 600	PG	Standard Oil Co. of N. Y.	Do.
Persian.....	KQX	300, 450, 600	PG	Merchants & Miners Transportation Co.	I. W. T. Co.
Peter H. Crowell.....	KEXT	300, 476, 600	PG	Crowell & Thurlow S. S. Co.	R. C. of A.
Peter Reiss.....	WNX	300, 600	PG	North American S. S. Co.	
Petoskey.....	WDH	300, 600	PG	Chicago & South Haven S. S. Co.	Do.
Petunia.....	KOQN	300, 600	PG	Foreign & Domestic Transp. Corp.	
Pezuta.....	KPIE	300, 600	PG	U. S. S. B.....	
Philadelphia.....	KDA	300, 450, 600	PG	Atlantic & Caribbean Steam Navigation Co.	Do.
Philadelphia.....	KSM	300, 600	PG	International Mercantile Marine Co.	I. W. T. Co.
Philippines.....	WAV	300, 600	PG	U. S. S. B.....	S. O. R. S.
Phoenix.....	WJEQ	300, 600	PG	.....do.....	R. C. of A.
Phoenix Bridge.....	WFQOU	300, 600	PG	.....do.....	Do.
Phyllis.....	KEA	300, 600	PG	Phyllis S. S. Co.	I. W. T. Co.
Pinellas.....	KULB	300, 600	PG	U. S. S. B.....	C. & W. R. C.
Pintphis.....	KUPC	300, 450, 600	PG	Sugar Products Co.	R. C. of A.
Pioneer.....	KIG	300, 450, 600	PG	Standard Oil Co. of N. J.	Owner of vessel.
Pioneer.....	KUSL	300, 600	PG	Mutual Packing Co.	Do.
Pioneer.....	WPN	300, 600	PG	Puget Sound Tug Boat Co.	
Pipestone County.....	KIMZ	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Pisco.....	KEQV	300, 600	PG	.....do.....	R. C. of A.
Pittsburgh Bridge.....	KUKL	300, 600	PG	.....do.....	I. W. T. Co.
Plainfield.....	WJEI	300, 600	PG	.....do.....	S. O. R. S.
Pleiades.....	WNP	300, 600	PG	Luckenbach S. S. Co.	
Plover.....	KUFT	300, 600	PG	East Coast Fisheries Co.	
Plow City.....	KUCC	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Plymouth.....	KXH	300, 550, 600	PG	New England S. S. Co.	I. R. T. Co.
Plymouth.....	KND	300, 450, 600	PG	Green Star S. S. Corp.	R. C. of A.
Point Adams.....	WES	300, 600	PG	Pacific Mail S. S. Co.	I. W. T. Co.
Point Arena.....	WHP	300, 600	PG	U. S. S. B.....	F. T. Co.
Point Bonita.....	WMT	300, 600	PG	Pacific Mail S. S. Co.	
Point Judith.....	KPAA	300, 600	PG	.....do.....	
Point Lobos.....	KJUI	300, 600	PG	.....do.....	
Point Loma.....	WAU	300, 600	PG	U. S. S. B.....	S. O. R. S.
Polar Bear.....	WGQE	300, 600	PG	.....do.....	I. W. T. Co.
Polarine.....	KOI	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Polar Sea.....	KSOA	300, 600	PG	U. S. S. B.....	Do.
Polar Star.....	KELC	300, 600	PG	.....do.....	Do.
Polybius.....	KIGL	300, 600	PG	.....do.....	I. W. T. Co.
Ponce.....	KGP	300, 450, 600	PG	New York & Porto Rico S. S. Co.	Do.
Pontchartrain.....	KIMP	300, 600	PG	U. S. S. B.....	R. C. of A.
Ponta.....	KIPC	300, 600	PG	.....do.....	I. W. T. Co.
Portola Plumas.....	KUMN	300, 450, 600	PG	.....do.....	Do.
Portsmouth.....	KOJV	300, 600	PG	.....do.....	S. O. R. S.
Poughkeepsie.....	KEZZ	300, 600	PG	.....do.....	I. W. T. Co.
Poznam.....	WLY	300, 600	PG	Polish-American Navigation Corp.	R. C. of A.
President.....	WGP	300, 600	PG	Pacific S. S. Co.....	Do.
Princess Matolka.....	WLS	300, 600	PG	U. S. S. B.....	Do.
Princeton.....	KST	300, 450, 600	PG	Standard Oil Co. of N. J.	I. R. T. Co.
Priscilla.....	KXI	300, 550, 600	PG	New England S. S. Co.	I. W. T. Co.
Proctor.....	KEPQ	300, 600	PG	U. S. S. B.....	I. R. T. Co.
Providence.....	KXJ	300, 550, 600	PG	New England S. S. Co.	I. R. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Providencia.....	WIK	300, 450, 600	PG	Providencia Steamer Co.	R. C. of A.
Prusa.....	KELQ	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Puget Sound.....	WER	300, 600	PG	.....do.....	S. O. R. S.
Pulaski.....	KUQL	300, 600	PG	.....do.....	R. C. of A.
Puritan.....	WDU	300, 600	PG	Graham & Morton Transportation Co.	I. W. T. Co.
Putnam.....	KIXQ	300, 600	PG	U. S. S. B.....	R. C. of A.
Puyallup.....	KEXC	300, 600	PG	.....do.....	Do.
Pylos.....	KULQ	300, 600	PG	.....do.....	S. O. R. S.
Pyramus.....	KIPL	300, 600	PG	.....do.....	I. W. T. Co.
Python.....	WNIO	300, 600	PG	.....do.....	R. C. of A.
Quabbin.....	KUJZ	300, 450, 600	PG	.....do.....	Do.
Quaker City.....	KOZL	300, 600	PG	.....do.....	S. O. R. S.
Quantico.....	KQQ	300, 450, 600	PG	Merchants & Miners Transportation Co.	I. W. T. Co.
Quapaw.....	KETC	300, 600	PG	U. S. S. B.....	Do.
Queen.....	WGX	300, 450, 600	PG	Pacific S. S. Co.....	R. C. of A.
Queen II.....	WOY	300, 400	P	Central Illinois Public Service Co.	Owner of vessel.
Quemakoning.....	KETD	300, 600	PG	U. S. S. B.....	S. O. R. S.
Quidnic.....	KSEO	300, 600	PG	.....do.....	Do.
Quillwark.....	KUZM	300, 600	PG	.....do.....	Do.
Quinault.....	KNEI	300, 600	PG	.....do.....	Do.
Quinnesco.....	WRIU	300, 600	PG	.....do.....	I. W. T. Co.
Quinnipiac.....	KOQT	300, 600	PG	.....do.....	S. O. R. S.
Quisteonck.....	WREI	300, 600	PG	.....do.....	I. W. T. Co.
Quittacas.....	WRUO	300, 600	PG	.....do.....	S. O. R. S.
Radiant.....	KTR	300, 450, 600	PG	Standard Oil Co. of N. Y.	R. C. of A.
Radnor.....	KJUE	300, 600	PG	U. S. S. B.....	Do.
Rainier.....	WRZ	300, 600	PG	Albers Bros. Milling Co.	S. O. R. S.
Rajah.....	WAO	300, 600	PG	U. S. S. B.....	R. C. of A.
Rama.....	KRX	300, 450, 600	PG	Rama Navigation Co.	
Ransom B. Fuller.....	KRF	300, 600	PG	Eastern S. S. Lines (Inc.).	Do.
Rapidan.....	KOSG	300, 600	PG	U. S. S. B.....	Do.
Rappahannock.....	WQQ	300, 600	PG	.....do.....	
Rayo.....	KTL	300, 600	PG	Standard Oil Co. of N. Y.	I. W. T. Co.
Rebecca Palmer.....	WQEI	300, 600	PG	S. de Barrenechea.....	
Red Cloud.....	WJEE	300, 600	PG	Red Cloud S. S. Co.....	R. C. of A.
Redlands.....	WDUE	300, 600	PG	U. S. S. B.....	S. O. R. S.
Red Mountain.....	KOTQ	300, 600	PG	.....do.....	R. C. of A.
Redondo.....	WBM	300, 600	PG	Alaska S. S. Co.....	S. O. R. S.
Redondo.....	KYT	300, 476, 600	PG	Redondo S. S. Co.....	I. W. T. Co.
Redwood.....	WSD	300, 450, 525, 600	PG	Pacific American Fisheries.	S. O. R. S.
Relay.....	KVZ	300, 600	P	Mexican Telegraph Co.	Owner of vessel.
Relief.....	KRJ	300, 450, 600	PG	Merritt & Chapman Derrick & Wrecking Co.	S. O. R. S.
Remlik.....	KZR	300, 600	PG	Willis S. Kilmer.....	Owner of vessel.
Remus.....	KEBX	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Republic.....	WSU	300, 600	PG	Chili S. S. Co. (Inc.)	R. C. of A.
Rescue.....	KRP	300, 450, 600	PG	Merritt & Chapman Derrick & Wrecking Co.	S. O. R. S.
Resolute.....	KRM	300, 600	PG	.....do.....	Owner of vessel.
Restorer.....	WIU	300, 450, 600	P	Commercial Pacific Cable Co.	R. C. of A.
Reuce.....	WSR	300, 525, 600	PG	Columbia River Packers' Assn.	Owner of vessel.
Richard J. Reiss.....	WNK	300, 600	PG	Reiss S. S. Co.....	R. C. of A.
Richard Peck.....	KXR	300, 450, 500	PG	New England S. S. Co.	I. R. T. Co.
Richconcal.....	KUTX	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Richmond.....	WTR	300, 600	PG	Standard Oil Co. of Calif.	R. C. of A.
Rio Grande.....	KEG	300, 600	PG	Mallory Steamship Co.	Do.
Kipon.....	KUGM	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Riverside Bridge.....	KUCD	300, 600	PG	.....do.....	Do.
Roanoke.....	KO XV	300, 600	PG	Texas S. S. Co.....	
Robert M. Thompson.....	KNW	300, 600	PG	American Transportation Co.	
Robert P. Clark.....	KTH	300, 450, 600	PG	Gulf Refining Co.....	R. C. of A.
Robin Adair.....	KOVM	300, 440, 525, 600	PG	Robin Line S. S. Co....	S. O. R. S.
Robin Goodfellow.....	KUBN	300, 440, 525, 600	PG	.....do.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Robin Gray.....	KOXT	300, 440, 525, 600	PG	Robin Line S. S. Co...	S. O. R. S.
Robin Hood.....	KOTM	300, 440, 600	PG	.....do.....	Do.
Rochelle.....	KUNX				
Rochester.....	KUTZ	300, 600	PG	Vacuum Oil Co...	R. C. of A.
Rockaway Park.....	KIZZ	300, 600	PG	U. S. S. B.....	S. O. R. S.
Rockport.....	KOZD	300, 450, 600	PG	.....do.....	Do.
Roman.....	WRII	300, 600	PG	French-American Line (Inc.).	R. C. of A.
Romulus.....	KIDR	300, 600	PG	U. S. S. B.....	Do.
Rose City.....	WWR	300, 600	PG	San Francisco & Port- land Steamship Co.	Do.
Rose Mahoney.....	KSAE	300, 600	PG	Andrew F. Mahoney..	
Royal Arrow.....	KSW	300, 450, 600	PG	Standard Transporta- tion Co.	Do.
Roy Hoober.....	WCQ	300, 600	PG	Sinclair Navigation Co.	Do.
Ruby.....	KOBC	300, 600	PG	American Transporta- tion Co.	
Rush.....	WNR	300, 440, 525, 600	PG	Bering Sea Packing Co.	Owner of vessel.
Ruth.....	KZQ	300, 600	PG	A. H. Bull S. S. Co...	I. W. T. Co.
Ruth E. Merrill.....	KQU	300, 450, 600	PG	Olympia Shipping Corp.	R. C. of A.
Sabine.....	KEB	300, 450, 600	PG	Mallory Steamship Co.	I. W. T. Co.
Sabine Sun.....	WLQ	300, 450, 600	PG	Sun Co.....	R. C. of A.
Sabotawan.....	KIJJ	300, 600	PG	U. S. S. B.....	S. O. R. S.
Sacandaga.....	KESC	300, 600	PG	.....do.....	R. C. of A.
Saccarappa.....	WGOI	300, 600	PG	.....do.....	I. W. T. Co.
Sac City.....	KEFB	300, 600	PG	.....do.....	Do.
Saco.....	KEPT	300, 600	PG	.....do.....	S. O. R. S.
Sacramento.....	KWV	300, 600	PG	Sacramento S. S. Co.	R. C. of A.
Sagadahoc.....	KTUO	300, 600	PG	U. S. S. B.....	Do.
Sagaparak.....	KZIU	300, 600	PG	.....do.....	I. W. T. Co.
Sag Harbor.....	WPAE	300, 600	PG	.....do.....	S. O. R. S.
Sagua.....	KVO	300, 450, 600	PG	Atlantic Fruit Co...	I. W. T. Co.
Saguache.....	KEKL	300, 600	PG	U. S. S. B.....	R. C. of A.
Sahale.....	KEPR	300, 600	PG	.....do.....	Do.
Salaam.....	KURP	300, 600	PG	.....do.....	
Salaverry.....	KEQX	300, 600	PG	.....do.....	
Salem County.....	KODR	300, 600	PG	.....do.....	Do.
Salina.....	KUZQ	300, 600	PG	.....do.....	S. O. R. S.
Salinas.....	KUCL	300, 600	PG	.....do.....	I. W. T. Co.
Salmon.....	KPOU	300, 600	PG	.....do.....	R. C. of A.
Saluda.....	KEQG	300, 600	PG	.....do.....	I. W. T. Co.
Salvation Lass.....	KIMN	300, 600	PG	.....do.....	S. O. R. S.
Samuel Faunce.....	KQV	300, 450, 600	PG	France & Canada S. S. Corp.	R. C. of A.
Samuel Mitchell.....	WEJ	300, 450, 600	PG	Huron Transportation Co.	Do.
San Antonio.....	KOMN	300, 600	PG	Adolfo Stahl.....	Owner of vessel.
San Diego.....	KUBF	300, 600	PG	W. H. Wood.....	Do.
Sangamon.....	WJAA	300, 600	PG	U. S. S. B.....	R. C. of A.
San Jacinto.....	KES	300, 450, 600	PG	Mallory Steamship Co.	I. W. T. Co.
San Jose.....	KDJ	300, 450, 600	PG	United Fruit Co.....	T. R. T. Co.
San Jose.....	WWL	300, 600	PG	Pacific Mail S. S. Co.	F. T. Co.
San Juan.....	KGJ	300, 450, 600	PG	New York & Porto Rico S. S. Co.	I. W. T. Co.
San Juan.....	KULV	300, 600	PG	Libby, McNeill & Libby.	
San Juan.....	WWM	300, 600	PG	Pacific Mail Steam- ship Co.	F. T. Co.
San Marcos.....	KEK	300, 600	PG	Mallory S. S. Co.....	I. W. T. Co.
San Mateo.....	KLV	300, 600	PG	United Fruit Co.....	T. R. T. Co.
San Pasqual.....	KUXC	300, 600	PG	U. S. S. B.....	
San Ramon.....	WNW	300, 600	PG	Mexican Fruit & S. S. Corp.	W. S. Co.
Santa Alicia.....	WSJ	300, 450, 600	PG	Grace S. S. Co.....	R. C. of A.
Santa Ana.....	WAL	300, 600	PG	Alaska S. S. Co.....	S. O. R. S.
Santa Ana.....	WBX	300, 450, 600	PG	Grace S. S. Co.....	R. C. of A.
Santa Barbara.....	WBJ	300, 450, 600	PG	.....do.....	Do.
Santa Cecilia.....	WBB	300, 600	PG	Green Star S. S. Corp.	Do.
Santa Clara.....	WBA	300, 600	PG	Atlantic & Pacific S. S. Co.	Do.
Santa Cruz.....	WBD	300, 600	PG	.....do.....	Do.
Santa Elena.....	WBZ	300, 450, 600	PG	Grace S. S. Co.....	
Santa Elisa.....	KIGQ	300, 600	PG	.....do.....	Do.
Santa Flavia.....	KRUI	300, 450, 600	PG	.....do.....	Do.
Santa Inez.....	WSI	300, 600	PG	.....do.....	Do.
Santa Leonora.....	KIML	300, 600	PG	U. S. S. B.....	
Santa Luisa.....	KJEU	300, 450, 600	PG	Grace S. S. Co.....	Do.

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## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Santa Malta.....	KIBN	300,600	PG	U. S. S. B.....	T. R. T. Co.
Santa Marta.....	KLG	300,600	PG	United Fruit Co.....	Owner of vessel.
Santanta.....	KZS	300,600	P	Osborne Howes.....	R. C. of A.
Santa Olivia.....	KQII	300,600	PG	Atlantic & Pacific S. S. Co.	
Santa Paula.....	WBQ	300,450,600	PG	Grace S. S. Co.....	Do.
Santa Rita.....	WTG	300,600	PG	American Fuel Oil & Transportation Co.	Do.
Santa Rita.....	WBR	300,450,600	PG	Grace S. S. Co.....	Do.
Santa Rosa.....	WBO	300,500,600	PG	.....do.....	Do.
Santa Rosalia.....	KLO	300,600	PG	U. S. Steel Products Co.	Do.
Santa Tecla.....	KNEE	300,600	PG	Grace S. S. Co.....	Do.
Santa Teresa.....	WLIA	300,600	PG	.....do.....	Do.
Santiago.....	KWE	300,450,600	PG	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Santore.....	KDQ	300,600	PG	Ore S. S. Corp.....	R. C. of A.
Santurce.....	KEMV	300,450,600	PG	New York & Porto S. S. Co.	I. W. T. Co.
Sapelo.....	KOVK	300,600	PG	U. S. S. B.....	S. O. R. S.
Sapinero.....	KESG	300,600	PG	.....do.....	R. C. of A.
Sapoma.....	KOSP	300,450,600	PG	.....do.....	S. O. R. S.
Sarah Weems.....	WQJ	300,600	.....	Baltimore & Carolina S. S. Co.	
Saramacca.....	KLH	300,600	PG	United Fruit Co.....	T. R. T. Co.
Sarcoxic.....	WLAA	300,600	PG	U. S. S. B.....	I. W. T. Co.
Saris.....	WGIO	300,600	PG	.....do.....	S. O. R. S.
Sataria.....	KIDC	300,600	PG	.....do.....	R. C. of A.
Satsuma.....	KJI	300,600	PG	Barber & Co. (Inc.)	Do.
Saucon.....	WBK	300,600	PG	U. S. S. B.....	I. W. T. Co.
Saugerties.....	WAB	300,600	PG	.....do.....	S. O. R. S.
Saugus.....	KIBQ	300,600	PG	.....do.....	I. W. T. Co.
Saxon.....	WZEA	300,600	PG	Clinchfield Navigation Co.	R. C. of A.
S. B. Hunt.....	KIPR	300,600	PG	Standard Oil Co. of N. J.	Do.
Scantic.....	KILR	300,600	PG	U. S. S. B.....	I. W. T. Co.
Schenectady.....	WJU	300,600	PG	.....do.....	R. C. of A.
Schedack.....	KEVT	300,600	PG	.....do.....	Do.
Schoharie.....	KEVV	300,600	PG	.....do.....	S. O. R. S.
Schoodic.....	KIDQ	300,600	PG	.....do.....	I. W. T. Co.
Schroon.....	KIJM	300,600	PG	.....do.....	Do.
Schuylkill Bridge.....	KUKC	300,600	PG	.....do.....	S. O. R. S.
Scottsburg.....	KOMM	300,600	PG	.....do.....	Do.
Sea Bird.....	KICT	300,600	.....	The Sea Bird Co.	
Seafarer.....	WPL	300,600	.....	Seafarer Nav. & Salvage Co.	
Seattle Spirit.....	KISD	300,600	PG	U. S. S. B.....	Do.
Sebonac.....	KUVF	300,450,600	PG	Thomas A. Howell.....	Owner of vessel.
Security.....	KSJ	300,600	PG	Standard Transportation Co.	R. C. of A.
Seeandbee.....	WFS	300,600	PG	Cleveland & Buffalo Transit Co.	Do.
Seekonk.....	KIGF	300,450,600	PG	U.S.S.B.....	Do.
Seguranca.....	KWG	300,600	PG	Standard Commercial S. S. Corp.	Do.
Selma.....	KUKQ	300,600	PQ	U. S. S. B.....	
Seminole.....	KUGP	300,600	PG	.....do.....	Do.
Senator.....	WGS	300,600	PG	Pacific Steamship Co.	Do.
Senator Bailey.....	KGS	300,450,600	PG	Gulf Refining Co.	Do.
Sepulga.....	KURK	300,600	PG	U. S. S. B.....	Do.
Severance.....	KXOE	300,600	PG	Union Sulphur Co.	S. O. R. S.
Sewalls Point.....	KGX	300,450,600	PG	Castner, Curran & Bulit (Inc.).	R. C. of A.
Sewickley.....	KPII	300,600	PG	U. S. S. B.....	I. W. T. Co.
Seypen.....	WGEU	300,600	PG	.....do.....	S. O. R. S.
Shannock.....	KOBB	300,600	PG	.....do.....	I. W. T. Co.
Sharon.....	KIRK	300,600	PG	.....do.....	R. C. of A.
Shaume.....	KILQ	300,600	PG	.....do.....	Do.
Sheldrake.....	KUFX	300,600	PG	East Coast Fisheries Co.	Owner of vessel.
Shenandoah.....	KIBD	300,600	PG	U. S. S. B.....	I. W. T. Co.
Shenango.....	KTC	300,600	PG	Gulf Refining Co.	R. C. of A.
Sherman.....	KMQ	300,450,600	PG	Sherman S. S. Co.	Do.
Shickshiny.....	KIZP	300,600	PG	U. S. S. B.....	I. W. T. Co.
Shooters Island.....	KERG	300,600	PG	.....do.....	R. C. of A.
Shortsville.....	KIKK	300,600	PG	.....do.....	Do.
Siboney.....	WRN	300,600	PG	.....do.....	I. W. T. Co.
Sierra.....	KRW	300,600	PR	E. K. Wood Lumber Co.	Owner of vessel.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Sierra.....	WHJ	300, 600, 1800	PG	Green Star S. S. Corp.	F. T. Co.
Siletz.....	KODG	300, 476, 600	PG	U. S. S. B.....	I. W. T. Co.
Silverado.....	WRC	300, 450, 600	PG	.....do.....	Do.
Silverbrook.....	KIBC	300, 600	PG	.....do.....	R. C. of A.
Silver Shell.....	WIA	300, 450, 600	PG	Silver Shell S. S. Co.	Do.
Sinasta.....	KDAC	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Sinsinawa.....	KOJD	300, 600	PG	.....do.....	R. C. of A.
Sioux City.....	KUGK	300, 600	PG	.....do.....	Do.
Sioux Falls.....	KONN	300, 600	PG	.....do.....	I. W. T. Co.
Sir Thomas Shaughnessy.....	WFV	300, 600	PG	Jenkins S. S. Co.....	Do.
Sir Trevor Dawson.....	WMIU	300, 600	PG	American Interlake Co.	Do.
Sixola.....	KDS	300, 600	PG	United Fruit Co.....	T. R. T. Co.
Skagway.....	WAT	300, 600	PG	Alaska S. S. Co.....	Owner of vessel.
S. M. Fischer.....	WPH	300, 600	PG	Reid Towing & Wrecking Co.	R. C. of A.
S. M. Spalding.....	WKG	300, 600	PG	Pan-American Petroleum & Tr. Co.	Do.
Snipe.....	KUFS	300, 600	PG	East Coast Fisheries Co.	Owner of vessel.
Snug Harbor.....	WBAA	300, 450, 600	PG	U. S. S. B.....	R. C. of A.
S. O. Co. No. 91.....	WTU	300, 600	PG	Standard Oil Co. of Calif.	Do.
S. O. Co. No. 93.....	WTY	300, 600	PG	.....do.....	Do.
S. O. Co. No. 95.....	WTZ	300, 600	PG	.....do.....	Do.
Socony.....	KTX	300, 600	PG	Standard Oil Co. of N. Y.	I. W. T. Co.
Socony 82.....	KVAI	300, 450, 600	PG	.....do.....	R. C. of A.
Socony 83.....	KVAO	300, 450, 600	PG	.....do.....	Do.
Socony 84.....	WC0E	300, 600	PG	.....do.....	Do.
Socony 85.....	WKAЕ	300, 450, 600	PG	.....do.....	Do.
Socony 88.....	KRUU	300, 450, 600	PG	.....do.....	Do.
Socony 89.....	KSAA	300, 450, 600	PG	.....do.....	Do.
Socony 90.....	WTII	300, 450, 600	PG	.....do.....	Do.
Socony 92.....	WCOI	300, 450, 600	PG	.....do.....	Do.
Socony 94.....	WTIO	300, 450, 600	PG	.....do.....	Do.
Solitaire.....	KUMT	300, 600	PG	Texas S. S. Co.....	I. W. T. Co.
Somerset.....	KSU	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Sonoma.....	WHM	300, 600, 1800	PG	Oceanic S. S. Co.....	F. T. Co.
Sophie Frankel.....	KIBM	300, 600	PG	U. S. S. B.....	R. C. of A.
South American.....	WEQ	300, 600	PG	Chicago, Duluth & Georgian Bay Steamship Co.	Do.
South Bend.....	KEXQ	300, 600	PG	U. S. S. B.....	S. O. R. S.
South Pole.....	WDIA	300, 600	PG	.....do.....	I. W. T. Co.
Speedwell.....	KLZ	300, 600	PG	Speedwell Navigation Co.	Owner of vessel.
Spokane.....	WGE	300, 600	PG	Pacific S. S. Co.....	R. C. of A.
Springfield.....	KUTR	300, 600	PG	U. S. S. B.....	Do.
St. Anthony.....	KUBM	300, 600	PG	.....do.....	S. O. R. S.
St. Augustine.....	KIKJ	300, 600	PG	.....do.....	R. C. of A.
St. Charles.....	KOK	300, 600	PG	Marn Navigation Co.	Do.
Saint Francis.....	KRT	300, 600	PG	U. S. Steel Products Co	Do.
St. Johns County.....	KIKG	300, 600	PG	U. S. S. B.....	Do.
St. Nicholas.....	WSS	300, 525, 600	PG	Columbia River Packers' Assn.	Owner of vessel.
St. Paul.....	KSO	300, 600	PG	International Mercantile Marine Co.	I. W. T. Co.
Stadacona.....	WMIO	300, 600	PG	Stadacona S. S. Co.....	R. C. of A.
Standard.....	KIC	300, 450, 600	PG	Standard Oil Co. of N. J.	Do.
Standard.....	KXOI	300, 450, 600	PG	Standard Transportation Co.	Do.
Standard II.....	KSA	300, 600	PG	.....do.....	Do.
Standard Arrow.....	KSV	300, 450, 600	PG	.....do.....	S. O. R. S.
Stanley.....	KISJ	300, 600	PG	U. S. S. B.....	Do.
Stanley Dollar.....	WHS	300, 600	PG	Dollar S. S. Line.....	Do.
Stanwood.....	KHD	300, 600	PG	W. R. Chamberlin.	
Star 1.....	WRIO	300, 600	PG	U. S. Whaling Co.....	Owner of vessel.
Starlite.....	KPK	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Star of Greenland.....	KERF	300, 400, 600	PG	Alaska Packers' Assn.	Do.
Star of Holland.....	KUGQ	300, 600	PG	.....do.....	S. O. R. S.
Star of Lapland.....	KXOA	300, 600	PG	.....do.....	Do.
Starr.....	WPS	300, 600	PG	San Juan Fishing & Packing Co.	S. O. R. S.
Staten Island.....	KUMD	300, 600	PG	U. S. S. B.....	R. C. of A.
State of Ohio.....	WFR	300, 600	PG	Cleveland & Buffalo Transit Co.	
Steadfast.....	WDEO	300, 600	PG	U. S. S. B.....	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Steel Age.....	KOXZ	300, 450, 600	PG	U. S. Steel Products Co.	R. C. of A.
Steelmaker.....	KOXX	300, 600	PG	.....do.....	Do.
Steel Mariner.....	KUVK	300, 600	PG	.....do.....	Do.
Steel Trader.....	KUVL	300, 450, 600	PG	.....do.....	Do.
Steel Voyager.....	KUFN	300, 450, 600	PG	.....do.....	C. & W. R. C.
Stephen R. Jones.....	KXX	300, 600	PG	Crowell & Thurlow S. S. Co.	
Storm King.....	KOGM	300, 600	PG	Rolph Navigation & Coal Co.	Owner of vessel.
Sturgeon Bay.....	KJ0I	300, 600	PG	U. S. S. B.....	S. O. R. S.
Suboatco.....	KURZ	300, 600	PG	Submarine Boat Corp.	
Sucrosa.....	KNS	300, 600	PG	Cuba Distilling Co.....	R. C. of A.
Sudbury.....	KRZ	300, 450, 600	PG	Shawmut S. S. Co.....	Do.
Suedco.....	KUSB	300, 600	PG	Submarine Boat Corp.	
Suelco.....	KUZJ	300, 600	PG	.....do.....	Do.
Suffolk.....	WRS	300, 600	PG	Coastwise Transporta- tion Co.	
Suholeo.....	KUZF	300, 600	PG	Submarine Boat Corp.	
Summerleaf.....	KUGR	300, 600	PG	U. S. S. B.....	S. O. R. S.
Sun.....	KTU	300, 600	PG	Sun Co.....	R. C. of A.
Sunbeam.....	KODC	300, 600	PG	.....do.....	Do.
Sundance.....	KORD	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Suneseco.....	KUSC	300, 450, 600	PG	Submarine Boat Corp.	Transmarine Corp.
Sunlite.....	KPQ	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Sunoil.....	KWP	300, 450, 600	PG	Sun Co.....	Do.
Sunshine.....	KOFG	300, 600	PG	.....do.....	Do.
Suportco.....	KUZK	300, 600	PG	Submarine Boat Corp.	
Suriname.....	KLI	300, 600	PG	United Fruit Co.....	T. R. T. Co.
Suruga.....	KGD	300, 450, 600	PG	Barber & Co.....	R. C. of A.
Susana.....	KNX	300, 600	PG	F. I. A. T. Corp.....	Do.
Susana II.....	KEMG	300, 450, 525, 600	PG	Madrigal & Co.....	Owner of vessel.
Susquehanna.....	WEM	300, 450, 600	PG	Susquehanna S. S. Co. (Inc.).	
Susquehanna.....	KOLN	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Sutherland.....	WTJ	300, 476, 600	PG	.....do.....	S. O. R. S.
Sutransco.....	KUZG	300, 600	PG	Submarine Boat Corp.	
Suwied.....	KOXC	300, 600	PG	U. S. S. B.....	I. W. T. Co.
S. V. Harkness.....	KEU	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Swampscott.....	WQIU	300, 600	PG	U. S. S. B.....	
Sylvan Arrow.....	KSX	300, 450, 600	PG	Standard Transporta- tion Co.	Do.
Tamesi.....	WTE	300, 458, 600	PG	Sinclair Navigation Co	Do.
Tampa.....	KOVX	300, 450, 600	PG	U. S. S. B.....	Do.
Tampico.....	KOXR	300, 600	PG	Crowell & Thurlow	
Tanamo.....	KVN	300, 450, 600	PG	Atlantic Fruit Co.....	I. W. T. Co.
Tancarville.....	KUKM	300, 600	PG	Philippine Vegetable Oil Co.	R. C. of A.
Tanka.....	KEFF	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Tankerville.....	KOKB	300, 600	PG	Philippine Vegetable Oil Co.	
Tartar.....	KEKS	300, 600	PG	U. S. S. B.....	S. O. R. S.
Tasco.....	KFT	300, 600	PG	T. A. Scott Co. (Inc.).	Owner of vessel.
Tashmoo.....	KOXD	300, 600	PG	U. S. S. B.....	I. W. T. Co.
Tatoosh.....	WPE	300, 600	PG	Western Fuel Co.....	Owner of vessel.
Tavernilla.....	KEMT	300, 600	PG	.....	
Teal.....	KOTC	300, 600	PG	Teal Co.	
Tekoa.....	KOXF	300, 600	PG	U. S. S. B.....	R. C. of A.
Tenafly.....	KOZF	300, 600	PG	.....do.....	I. W. T. Co.
Teresa.....	WJF	300, 450, 600	PG	.....do.....	S. O. R. S.
Terre.....	KUFQ	300, 450, 600	PG	East Coast Fisheries Co	Owner of vessel.
Terre Haute.....	KOPJ	300, 600	PG	U. S. S. B.....	S. O. R. S.
Texan.....	WKT	300, 600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Texarkana.....	KOCD	300, 600	PG	U. S. S. B.....	R. C. of A.
Texas.....	KUM	300, 450, 600	PG	Texas Co.....	I. W. T. Co.
Thala.....	KIQQ	300, 600	PG	U. S. S. B.....	R. C. of A.
The Harvester.....	WCR	300, 600	PG	International Harves- ter Co.	Do.
The Lambs.....	KEBZ	300, 600	PG	U. S. S. B.....	I. W. T. Co.
The Limit.....	WCV	300, 600	PG	Whitney Bros. Co.....	R. C. of A.
Theodore Roosevelt.....	WCT	300, 600	PG	Cleveland Erie S. S. Co	Do.
Tidewater.....	KOU	300, 450, 600	PG	Green Star S. S. Corp.	Do.
Tiger.....	KIT	300, 450, 600	PG	Standard Transporta- tion Co.	Do.
Tillamook.....	WMOA	300, 600	PG	U. S. S. B.....	S. O. R. S.
Tlonesta.....	WCA	300, 600	PG	Erie & Western Trans- portation Co.	R. C. of A.
Tippecanoe.....	KUXL	300, 600	PG	U. S. S. B.....	
Tipton.....	WQOA	300, 600	PG	.....do.....	S. O. R. S.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Tivives.	KMI	300, 600	PG	United Fruit Co.	T. R. T. Co.
Toiler.	WTOO	300, 600	PG	U. S. S. B.	
Toka.	KPAE	300, 600	PG	.....do.....	
Toledo Bridge.	KOXX	300, 600	PG	.....do.....	
Tollard.	KEVX	300, 600	PG	.....do.....	I. W. T. Co.
Tolo.	WQOI	300, 600	PG	.....do.....	Do.
Tona.	KOXX	300, 600	PG	.....do.....	Do.
Tonesit.	KOXX	300, 600	PG	.....do.....	Do.
Toopi.	KULP	300, 600	PG	.....do.....	
Topila.	KKE	300, 450, 600	PG	Southern Pacific Co.	R. C. of A.
Tormenter.	KFN	300, 600	PG	Freeport & Tampico Fuel Oil Transportation Co.	Do.
Torres.	KKF	300, 450, 600	PG	Southern Pacific Co.	Do.
Transportation.	KEJX	300, 600	PG	Coastwise Transportation Co.	Do.
Traveller.	KIVK	300, 600	PG	U. S. S. B.	
Tri Mountain.	KOQF	300, 600	PG	.....do.....	S. O. R. S.
Trinidadian.	KNO	300, 600	PG	Gulf Refining Co.	R. C. of A.
Tripp.	KIMC	300, 600	PG	U. S. S. B.	I. W. T. Co.
Triumph.	KEND	300, 600	PG	.....do.....	Do.
Trontolite.	KOM	300, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Tuckahoe.	KJOU	300, 450, 600	PG	U. S. S. B.	I. W. T. Co.
Tuckanuck.	KIMB	300, 600	PG	.....do.....	Do.
Tuladi.	KOXL	300, 600	PG	.....do.....	S. O. R. S.
Tulsa.	KIXR	300, 600	PG	.....do.....	R. C. of A.
Tunica.	WJP	300, 600	PG	.....do.....	Do.
Turrialba.	KDT	300, 600	PG	United Fruit Co.	T. R. T. Co.
Tuscan.	KUDC	300, 600	PG	Munson S. S. Line	I. W. T. Co.
Tuwetanka.	KOLG	300, 600	PG	U. S. S. B.	S. O. R. S.
Twilite.	KPO	300, 450, 600	PG	Standard Oil Co. of N. J.	R. C. of A.
Tyne.	KENB	300, 600	PG	U. S. S. B.	
Tyne.	WPC	300, 600	PG	Skinner & Eddy Corp.	
Ulysses.	KPU	300, 600	PG	Panama R. R. Co.	Owner of vessel.
Umatilla.	KSUO	300, 600	PG	U. S. S. B.	R. C. of A.
Undaunted.	WGM	300, 600	PG	Hind-Rolph & Co.	Do.
Unicoi.	KUQP	300, 600	PG	U. S. S. B.	I. W. T. Co.
Union Liberty.	KUNG	300, 600	PG	.....do.....	
United States.	KZU	300, 450, 600	PG	E. H. R. Green	Owner of vessel.
Utacarbon.	KUMC	300, 450, 600	PG	U. S. S. B.	R. C. of A.
Utina.	KIPM	300, 600	PG	.....do.....	
Utoka.	KERK	300, 600	PG	.....do.....	S. O. R. S.
Vacuum.	KUTS	300, 450, 600	PG	Vacuum Oil Co.	R. C. of A.
Vacuum II.	KIMK	300, 600	PG	Jess H. Jay	
Valdez.	WAK	300, 600	PG	Alaska S. S. Co.	S. O. R. S.
Vallonia.	KULR	300, 600	PG	U. S. S. B.	
Vanada.	KOBF	300, 600	PG	.....do.....	I. W. T. Co.
Velero.	WHV	300, 600	PG	G. Allan Hancock	Owner of vessel.
Venetia.	WOW	300, 600	P	J. D. Spreckels	Do.
Venezuela.	WBG	300, 600, 1800	PG	Pacific Mail S. S. Co.	F. T. Co.
Ventura.	WHL	300, 600, 1800	PG	Oceanic S. S. Co.	Do.
Vesta.	KTS	300, 450, 600	PG	Standard Oil Co.	R. C. of A.
Victoria.	WAD	300, 450, 525 600	PG	Alaska S. S. Co.	S. O. R. S.
Victorius.	WXIA	300, 450, 600	PG	U. S. S. B.	I. W. T. Co.
Vigilant.	KOZP	300, 425, 600	PG	E. K. Wood Lumber Co.	S. O. R. S.
Vincennes Bridge.	KOXM	300, 600	PG	U. S. S. B.	I. W. T. Co.
Vincent.	KIZS	300, 600	PG	.....do.....	Do.
Vinita.	KOTL	300, 450, 600	PG	.....do.....	R. C. of A.
Vinton County.	KORQ	300, 600	PG	.....do.....	I. W. T. Co.
Virginia.	KUV	300, 450, 600	PG	Texas Co.	Do.
Virginia Bridge.	KUCF	300, 600	PG	U. S. S. B.	S. O. R. S.
Virginian.	WKV	300, 600	PG	American-Hawaiian S. S. Co.	Owner of vessel.
Vittorio Emmanuele III.	KBUI	300, 600	PG	U. S. S. B.	R. C. of A.
Vizcaya.	WSQ	300, 600	PG	.....do.....	I. W. T. Co.
Volunteer.	WFAO	300, 600	PG	U. S. S. B.	Do.
Von Steuben.	KOXP	300, 600	PG	.....do.....	Do.
Waban.	KJT	300, 450, 600	PG	.....do.....	Do.
Wabash.	WNC	300, 600	PG	.....do.....	R. C. of A.
Wachusetts.	WJL	300, 600	PG	.....do.....	R. C. of A.
Wago.	KIRP	300, 600	PG	.....do.....	R. C. of A.
Wacouta.	WLG	300, 450, 600	PG	N. Y. & C. M. S. S. Co.	I. W. T. Co.
Wahkeena.	WMS	300, 600	PG	Wahkeena S. S. Co.	R. C. of A.
Wahkiakum.	KNIA	300, 600	PG	U. S. S. B.	S. O. R. S.
Wakan.	WDAL	300, 600	PG	.....do.....	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Wakanna.....	KKOU	300, 600	PG	U. S. S. B .....	J. W. T. Co.
Wakiki.....	WRUU	300, 600	PG	.....do.....	R. C. of A.
Wakulla.....	KRUO	300, 600	PG	.....do.....	I. W. T. Co.
Walden.....	KIGG	300, 600	PG	.....do.....	R. C. of A.
Wallingford.....	KEPV	300, 476, 600	PG	.....do.....	Do.
Wallkill.....	KIPD	300, 600	PG	.....do.....	Do.
Wallowa.....	KQAI	300, 600	PG	.....do.....	S. O. R. S.
Wallula.....	WPY	300, 450, 600	PG	Port of Portland, Oreg.	Do.
Walter A. Luckenbach.....	KJIE	300, 600	PG	Luckenbach S. S. Co.	Do.
Walter D. Munson.....	KVJ	300, 450, 600	PG	Munson S. S. Co. ....	R. C. of A.
Walter D. Noyes.....	KDY	300, 600	PG	Crowell & Thurlow S. S. Co. ....	
Walter Hardcastle.....	KQB	300, 600	PG	Sinclair Gulf Corp. ....	Do.
Wampum.....	KROI	300, 450, 600	PG	U. S. S. B. ....	I. W. T. Co
Wana.....	KYX	300, 600	P	George C. Sherman .....	Owner of vessel.
Waneyanda.....	WXIE	300, 600	PG	U. S. S. B. ....	I. W. T. Co
Wanzu.....	WDAU	300, 600	PG	.....do.....	R. C. of A.
Wapama.....	WMG	300, 600	PG	Wapama S. S. Co. ....	Do.
Warszawa.....	WLM	300, 600	PG	Polish-American Navigation Corp.	Owner of vessel.
Wasagya.....	KOPN	300, 600	PG	U. S. S. B. ....	R. C. of A.
Wasco.....	KKIO	300, 600	PG	.....do.....	S. O. R. S.
Washtenaw.....	WPOO	300, 600	PG	Union S. S. Co. ....	F. T. Co.
Wassaic.....	KROO	300, 600	PG	U. S. S. B. ....	S. O. R. S.
Watauga.....	WQT	300, 600	PG	.....do.....	R. C. of A.
Watbury.....	KUPT	300, 600	PG	.....do.....	
Watertown.....	KING	300, 600	PG	.....do.....	Do.
Watheena.....	WDIE	300, 600	PG	.....do.....	S. O. R. S.
Watowwan.....	WDII	300, 600	PG	.....do.....	Do.
Waubesa.....	WGOO	300, 600	PG	.....do.....	Do.
Wauconda.....	WREE	300, 600	PG	.....do.....	I. W. T. Co.
Waukau.....	KIDV	300, 600	PG	.....do.....	Do.
Waukegan.....	KIDX	300, 600	PG	.....do.....	S. O. R. S.
Waukesha.....	KKEO	300, 450, 600	PG	.....do.....	I. W. T. Co.
Wauwatosa.....	KUCK	300, 600	PG	.....do.....	Do.
Wawalona.....	KEXM	300, 600	PG	.....do.....	R. C. of A.
Waxahachie.....	KILM	300, 600	PG	.....do.....	I. W. T. Co.
Wayhut.....	WGUU	300, 600	PG	.....do.....	R. C. of A.
Wayucan.....	KKUA	300, 600	PG	.....do.....	Do.
W. B. Keeme.....	KWK	300, 600	PG	Savannah - New York Transportation Co. ....	
W. C. Teagle.....	KTY	300, 450, 600	PG	Standard Oil Co. of N. J. ....	Do.
Wekika.....	KIXX	300, 600	PG	U. S. S. B. ....	S. O. R. S.
Wellington.....	KMR	300, 450, 600	PG	Henry W. Cook .....	R. C. of A.
Wenakee.....	WXII	300, 600	PG	U. S. S. B. ....	S. O. R. S.
West Alcoz.....	KIDD	300, 600	PG	.....do.....	I. W. T. Co.
West Aleta.....	KIQG	300, 600	PG	.....do.....	Do.
West Alsek.....	KJUO	300, 600	PG	.....do.....	Do.
West Amargosa.....	KEJS	300, 600	PG	.....do.....	Do.
West Apaum.....	KJUU	300, 600	PG	.....do.....	S. O. R. S.
West Arrow.....	WKS	300, 600	PG	.....do.....	Do.
West Arvada.....	KVIE	300, 600	PG	.....do.....	
West Ashawa.....	KFH	300, 600	PG	.....do.....	Do.
West Avenal.....	KENG	300, 600	PG	.....do.....	I. W. T. Co.
Westboro.....	KBUU	300, 600	PG	.....do.....	S. O. R. S.
West Bridge.....	KJOO	300, 600	PG	.....do.....	Do.
Westbrook.....	WLI	300, 600	PG	.....do.....	I. W. T. Co.
West Cactus.....	KIVV	300, 600	PG	.....do.....	Do.
West Caddoa.....	KODF	300, 600	PG	.....do.....	S. O. R. S.
West Cadron.....	KUDK	300, 600	PG	.....do.....	I. W. T. Co.
West Cahokia.....	KUPJ	300, 450, 600	PG	.....do.....	S. O. R. S.
West Cajoot.....	KEXX	300, 476, 600	PG	.....do.....	I. W. T. Co.
West Calera.....	KUMM	300, 450, 600	PG	.....do.....	R. C. of A.
West Calumb.....	KILT	300, 600	PG	.....do.....	S. O. R. S.
West Camak.....	KUST	300, 600	PG	.....do.....	I. W. T. Co.
West Campgaw.....	KUFR	300, 450, 600	PG	.....do.....	R. C. of A.
West Cape.....	WXEO	300, 600	PG	.....do.....	S. O. R. S.
West Carnifax.....	KEFC	300, 450, 600	PG	.....do.....	I. W. T. Co.
West Carruth.....	KESJ	300, 600	PG	.....do.....	R. C. of A.
West Catanace.....	KEE	300, 600	PG	Elder Steel S. S. Co. ....	S. O. R. S.
West Cavanal.....	KIFD	300, 600	PG	U. S. S. B. ....	R. C. of A.
West Cawthon.....	KILZ	300, 600	PG	.....do.....	S. O. R. S.
West Cayote.....	KIRF	300, 600	PG	.....do.....	I. W. T. Co.
West Celeron.....	KKJ	300, 600	PG	.....do.....	R. C. of A.
West Celina.....	KEZR	300, 450, 600	PG	.....do.....	S. O. R. S.
West Chatala.....	KIPJ	300, 600	PG	.....do.....	Do.
West Cherow.....	KJM	300, 600	PG	.....do.....	Do.
Westchester.....	WCL	300, 476, 600	PG	.....do.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
West Cheswald.....	KIXB	300, 600	PG	U. S. S. B.....	R. C. of A.
West Chetac.....	KIMG	300, 600	PG	.....do.....	I. W. T. Co.
West Coast.....	KRAA	300, 600	PG	.....do.....	S. O. R. S.
West Cobalt.....	KEKD	300, 600	PG	.....do.....	Do.
West Cohas.....	KNAE	300, 600	PG	.....do.....	R. C. of A.
West Compo.....	KENJ	300, 600	PG	.....do.....	S. O. R. S.
West Conob.....	KIFP	300, 476, 600	PG	.....do.....	I. W. T. Co.
West Corum.....	KEVD	300, 600	PG	.....do.....	S. O. R. S.
West Cressy.....	WGOU	300, 600	PG	.....do.....	I. W. T. Co.
West Durfee.....	KJAI	300, 378, 600	PG	.....do.....	S. O. R. S.
West Eagle.....	WQZ	300, 600	PG	.....do.....	Do.
West Ekonk.....	KQIU	300, 600	PG	.....do.....	I. W. T. Co.
West El Cajon.....	KELK	300, 450, 600	PG	.....do.....	Do.
West Elcasco.....	WJOA	300, 600	PG	.....do.....	S. O. R. S.
West Eldara.....	WJOE	300, 600	PG	.....do.....	I. W. T. Co.
Western Ally.....	KEJF	300, 600	PG	.....do.....	Do.
Western Belle.....	WKUI	300, 600	PG	.....do.....	S. O. R. S.
Western Chief.....	KNAO	300, 420, 600	PG	.....do.....	R. C. of A.
Western City.....	KNAI	300, 600	PG	.....do.....	I. W. T. Co.
Western Comet.....	WXEI	300, 600	PG	.....do.....	S. O. R. S.
Western Cross.....	KTEE	300, 600	PG	.....do.....	R. C. of A.
Westerner.....	KIK	300, 600	PG	.....do.....	Do.
Western Front.....	WJQ	300, 450, 600	PG	.....do.....	S. O. R. S.
Western Glen.....	KEDR	300, 378, 600	PG	.....do.....	I. W. T. Co.
Western Hero.....	KIU	300, 600	PG	.....do.....	S. O. R. S.
Western Hope.....	WFIA	300, 600	PG	.....do.....	R. C. of A.
Western King.....	WEP	300, 600	PG	.....do.....	Do.
Western Knight.....	KEFQ	300, 600	PG	.....do.....	S. O. R. S.
Western Light.....	KQOI	300, 600	PG	.....do.....	Do.
Western Maid.....	KQOO	300, 600	PG	.....do.....	R. C. of A.
Western Ocean.....	KJEA	300, 600	PG	.....do.....	S. O. R. S.
Western Plains.....	WZIU	300, 600	PG	.....do.....	Do.
Western Pride.....	WGT	300, 600	PG	.....do.....	I. W. T. Co.
Western Queen.....	WWK	300, 378, 600	PG	.....do.....	S. O. R. S.
Western Scout.....	WXEA	300, 600	PG	.....do.....	I. W. T. Co.
Western Sea.....	KNAA	300, 600	PG	.....do.....	Do.
Western Spirit.....	KNEA	300, 600	PG	.....do.....	Do.
Western Star.....	WEU	300, 600	PG	.....do.....	Do.
Western States.....	WED	300, 440, 500, 600	PG	Detroit & Cleveland Navigation Co.	R. C. of A.
Western Wave.....	WWC	300, 600	PG	U. S. S. B.	S. O. R. S.
West Erral.....	KERJ	300, 600	PG	.....do.....	R. C. of A.
Westfield.....	KXU	300, 600	PG	.....do.....	Do.
Westford.....	KNAU	300, 600	PG	.....do.....	I. W. T. Co.
West Galeta.....	WFAE	300, 600	PG	.....do.....	S. O. R. S.
West Galoc.....	KVEI	300, 600	PG	.....do.....	I. W. T. Co.
West Gambo.....	KQUU	300, 600	PG	.....do.....	Do.
West Gotomska.....	WET	300, 600	PG	.....do.....	S. O. R. S.
West Gramma.....	WGIA	300, 600	PG	.....do.....	R. C. of A.
West Grove.....	KJAU	300, 600	PG	.....do.....	Do.
Westhampton.....	WSP	300, 378, 600	PG	.....do.....	I. W. T. Co.
West Harcuvar.....	KEZM	300, 600	PG	.....do.....	S. O. R. S.
West Hardaway.....	KEDX	300, 600	PG	.....do.....	I. W. T. Co.
West Hargrave.....	KEDZ	300, 600	PG	.....do.....	S. O. R. S.
West Harlan.....	KEFS	300, 600	PG	.....do.....	I. W. T. Co.
West Harshaw.....	KEFX	300, 600	PG	.....do.....	S. O. R. S.
West Hartland.....	KEGS	300, 450, 600	PG	.....do.....	I. W. T. Co.
West Hartley.....	KEGT	300, 600	PG	.....do.....	S. O. R. S.
West Harts.....	KEFZ	300, 600	PG	.....do.....	I. W. T. Co.
West Hassayampa.....	KEGX	300, 600	PG	.....do.....	Do.
West Haven.....	KJV	300, 450, 525, 600	PG	.....do.....	S. O. R. S.
West Helix.....	WSUA	300, 600	PG	.....do.....	Do.
West Hematite.....	KEZP	300, 600	PG	.....do.....	I. W. T. Co.
West Hembrie.....	KEZN	300, 600	PG	.....do.....	R. C. of A.
West Henshaw.....	KEBQ	300, 476, 600	PG	.....do.....	S. O. R. S.
West Hepburn.....	KINP	300, 600	PG	.....do.....	Do.
West Hesseltine.....	KOTN	300, 600	PG	.....do.....	I. W. T. Co.
West Hika.....	KOZK	300, 600	PG	.....do.....	S. O. R. S.
West Himrod.....	KUDQ	300, 476, 600	PG	.....do.....	I. W. T. Co.
West Hixton.....	KUKV	300, 600	PG	.....do.....	S. O. R. S.
West Hobomac.....	WFAI	300, 600	PG	.....do.....	Do.
West Holbrook.....	KUXB	300, 600	PG	.....do.....	R. C. of A.
West Hoskie.....	WFEI	300, 600	PG	.....do.....	Do.
West Humah.....	WZAE	300, 600	PG	.....do.....	I. W. T. Co.
West Imboden.....	KECX	300, 600	PG	.....do.....	S. O. R. S.
West Indian.....	KJAE	300, 600	PG	.....do.....	S. O. R. S.

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## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
West Inskip.....	KITZ	300, 600	PG	U. S. S. B .....	R. C. of A.
West Ira.....	KOGL	300, 476, 600	PG	.....do.....	Do.
West Irmo.....	KIFB	300, 600	PG	.....do.....	Do.
West Islay.....	KICP	300, 600	PG	Imperial Shipping Corp.	Do.
West Isleta.....	KICQ	300, 600	PG	U. S. S. B .....	Do.
West Islip.....	KIKX	300, 600	PG	.....do.....	S. O. R. S.
West Ison.....	KINN	300, 600	PG	.....do.....	R. C. of A.
West Ivan.....	KOZS	300, 600	PG	.....do.....	Do.
West Ivis.....	KOQQ	300, 600	PG	.....do.....	I. W. T. Co.
West Jaffrey.....	KOCX	300, 450, 600	PG	.....do.....	R. C. of A.
West Jappa.....	KUKJ	300, 450, 600	PG	.....do.....	I. W. T. Co.
West Jena.....	KOTG	300, 450, 600	PG	.....do.....	Do.
West Jessup.....	KOXS	300, 450, 600	PG	.....do.....	R. C. of A.
West Jester.....	KUDG	300, 600	PG	.....do.....	I. W. T. Co.
West Kader.....	KOSL	300, 600	PG	.....do.....	S. O. R. S.
West Kasson.....	KIKM	300, 600	PG	.....do.....	I. W. T. Co.
West Katan.....	KOBK	300, 450, 600	PG	.....do.....	S. O. R. S.
West Keats.....	KUQK	300, 450, 600	PG	.....do.....	Do.
West Kebar.....	KDAN	300, 600	PG	.....do.....	R. C. of A.
West Kedron.....	KDAP	300, 600	PG	.....do.....	I. W. T. Co.
West Keeme.....	KISK	300, 600	PG	.....do.....	S. O. R. S.
West Kyska.....	WJOU	300, 600	PG	.....do.....	Do.
Westlake.....	WTH	300, 378, 600	PG	.....do.....	S. O. R. S.
Westland.....	KJX	300, 450, 600	PG	.....do.....	Do.
West Lashaway.....	WREA	300, 600	PG	.....do.....	Do.
West Lianga.....	KJAO	300, 378, 600	PG	.....do.....	I. W. T. Co.
West Loquassuck.....	WJOI	300, 600	PG	.....do.....	S. O. R. S.
West Madaket.....	WJOO	300, 600	PG	.....do.....	I. W. T. Co.
West Mahomet.....	WTUU	300, 600	PG	.....do.....	S. O. R. S.
West Mahwah.....	KUTC	300, 450, 600	PG	.....do.....	I. W. T. Co.
West Maximus.....	KEDQ	300, 600	PG	.....do.....	Do.
West Mead.....	WDIO	300, 600	PG	.....do.....	R. C. of A.
West Mingo.....	KORB	300, 600	PG	.....do.....	S. O. R. S.
West Modus.....	KENK	300, 600	PG	.....do.....	I. W. T. Co.
West Montop.....	KOTR	300, 600	PG	.....do.....	S. O. R. S.
West Moreland.....	KIQC	300, 600	PG	.....do.....	I. W. T. Co.
West Mount.....	KBUO	300, 600	PG	.....do.....	R. C. of A.
West Munham.....	KEXF	300, 600	PG	.....do.....	S. O. R. S.
West Neris.....	KOTK	300, 600	PG	.....do.....	I. W. T. Co.
West Niger.....	KOZJ	300, 476, 600	PG	.....do.....	Do.
West Nilus.....	KUFJ	300, 450, 600	PG	.....do.....	S. O. R. S.
West Nivaria.....	KUQJ	300, 450, 600	PG	.....do.....	Do.
West Nohno.....	KEXG	300, 600	PG	.....do.....	I. W. T. Co.
West Nomentum.....	KUSG	300, 600	PG	.....do.....	R. C. of A.
West Norranus.....	KUVZ	300, 600	PG	.....do.....	I. W. T. Co.
West Nosska.....	KEDV	300, 600	PG	.....do.....	R. C. of A.
West Notus.....	KDAM	300, 600	PG	.....do.....	R. C. of A.
West Stoil.....	KIVP	300, 600	PG	Standard Oil Co. of N.J.	Do.
West Pocasset.....	KOCK	300, 600	PG	U. S. S. B .....	S. O. R. S.
West Point.....	KJY	300, 450, 600	PG	Neptune Line (Inc.)	R. C. of A.
Westpool.....	WROA	300, 450, 600	PG	U. S. S. B .....	Do.
Westport.....	WFEO	300, 450, 600	PG	.....do.....	Do.
West Quechee.....	KEDT	300, 600	PG	.....do.....	Do.
West Raritans.....	KIXC	300, 600	PG	.....do.....	Do.
West Saginaw.....	KOCV	300, 600	PG	.....do.....	Do.
West Segovia.....	KIPK	300, 600	PG	.....do.....	S. O. R. S.
West Selene.....	KIXZ	300, 600	PG	.....do.....	I. W. T. Co.
West Sequana.....	WSOI	300, 450, 600	PG	.....do.....	Do.
West Shore.....	WMD	300, 450, 600	PG	.....do.....	R. C. of A.
West Tacook.....	KECR	300, 600	PG	.....do.....	I. W. T. Co.
West Togus.....	KEXJ	300, 600	PG	.....do.....	Do.
West Totant.....	KEXK	300, 600	PG	.....do.....	Do.
West Vaca.....	KEMX	300, 600	PG	.....do.....	R. C. of A.
West View.....	WDIU	300, 600	PG	.....do.....	S. O. R. S.
Westward Ho.....	WKX	300, 600	PG	.....do.....	Do.
West Wauna.....	WSUE	300, 600	PG	.....do.....	Do.
West Wauneka.....	WSUI	300, 600	PG	Union Petroleum Steamship Co.	I. W. T. Co.
Westwego.....	KGE	300, 450, 600	PG	Limestone Transportation Co.	R. C. of A.
West Wind.....	KJH	300, 600	PG	U. S. S. B .....	S. O. R. S.
Westwood.....	WTF	300, 478, 600	PG	.....do.....	Do.
West Zeda.....	WKUU	300, 600	PG	.....do.....	I. W. T. Co.
West Zucker.....	WJIA	300, 600	PG	.....do.....	S. O. R. S.
West Zula.....	WQE0	300, 600	PG	.....do.....	I. W. T. Co.
W. F. Burrows.....	WHG	300, 425, 525, 600	PG	Libby, McNeill & Libby	S. O. R. S.
W. F. White.....	WGC	300, 600	PG	Limestone Transporta-	R. C. of A.
Wheatland Montana.....	KISF	300, 600	PG	U. S. S. B .....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Wheaton.....	WMUA	300,600	PG	U. S. S. B.....	R. C. of A.
Wheeling Mold.....	KUNM	300,450,600	PG	.....do.....	I. W. T. Co.
Whitemarsh.....	KOMG	300,600	P	F. R. Payne.....	
Whittier.....	WHT	300,600,1800	PG	T. A. Hays.....	F. T. Co.
W. H. Tillord.....	KPD	300,600	PG	Standard Oil Co. of N.J	R. C. of A.
Wicasta.....	KIJG	300,600	PG	U. S. S. B.....	
Wico.....	KNN	300,600	PG	Standard Oil Co. of N.J	
Widgeon.....	KOSB	300,600	PG	Widgeon Co. (Inc.)....	Do.
Wihaa.....	WDEA	300,600	PG	U. S. S. B.....	Owner of vessel.
Wild Duck.....	KYD	300,450,600	PG	Gulf Refining Co.....	I. W. T. Co.
Wild Goose.....	KOTS	300,600	PG	Wild Goose Co. (Inc.)....	R. C. of A.
Wildwood.....	KORV	300,600	PG	U. S. S. B.....	Owner of vessel.
Wilhelmina.....	WMO	300,450,600	PG	Matsom Navigation Co.	S. O. R. S.
Wilhelm Jebsen.....	WNQ	300,450,600	PG	U. S. S. B.....	R. C. of A.
Willamette.....	WSW	300,600	PG	Willamette S. S. Co.....	Do.
Willfaro.....	KITX	300,600	PG	Williams S. S. Co. (Inc.)	Do.
William A. McKenney.....	WOM	300,600	PG	Crowell & Thurlow S. S. Co.	
William A. Reiss.....	WNI	300,600	PG	Reiss S. S. Co.....	Do.
William A. Whitney.....	KUSS	300,600	PG	Whitney Bros. Co.....	Do.
William B. Livingstone.....	KDAQ	300,600	PG	Montreal Transit Co.....	Do.
William G. Mather.....	KKUI	300,450,600	PG	Cleveland Cliffs Iron Co.	Do.
William Green.....	WIY	300,450,600	PG	Pan-American Petroleum & Transport Co.	Do.
William H. Webb.....	KOZV	300,600	PG	U. S. S. B.....	S. O. R. S.
William Isom.....	KVY	300,450,600	PG	American Italian Commercial Corp.	R. C. of A.
William M. Mills.....	KEJT	300,600	PG	William M. Mills.....	I. W. T. Co.
William N. Page.....	WFOO	300,600	PG	Castner, Curran & Bullitt.	R. C. of A.
Willimantic.....	KMIO	300,600	PG	U. S. S. B.....	S. O. R. S.
Willpolo.....	KOBM	300,600	PG	Williams S. S. Co.....	R. C. of A.
Wilscox.....	WPAO	300,600	PG	U. S. S. B.....	I. W. T. Co.
Windber.....	WND	300,450,600	PG	Pacific American Fisheries.	R. C. of A.
Winding Gulf.....	WFEE	300,600	PG	Castner, Curran & Bullitt.	Do.
Winifred.....	KTE	300,600	PG	Gulf Refining Co.....	I. W. T. Co.
Winnebago.....	KTEI	300,450,525, 600	PG	American Transatlantic Co.	Owner of vessel.
Winona.....	KUNV	300,450,600	PG	U. S. S. B.....	R. C. of A.
Winona County.....	KIZR	300,600	PG	.....do.....	Do.
Winston-Salem.....	KUJS	300,600	PG	.....do.....	S. O. R. S.
Winyah.....	KIMM	300,600	PG	.....do.....	Do.
Wishkah.....	KNEU	300,600	PG	.....do.....	Do.
Wista.....	KOTP	300,600	PG	Polish-American Nav. Corp.	R. C. of A.
Wisteria.....	KOJN	300,600	PG	Foreign & Domestic Transportation Corp.	
W. K. Bixby.....	KURJ	300,600	PG	American S. S. Co.....	Do.
W. L. Steed.....	WSEE	300,600	PG	U. S. S. B.....	Do.
W. M. Burton.....	KMIU	300,600	PG	Atlantic Refining Co.....	
Wm. F. Herrin.....	WTN	300,600,1800	PG	Associated Oil Co.....	F. T. Co.
Wm. G. Warden.....	KNF	300,450,600	PG	Standard Oil Co. of N. J.	R. C. of A.
W. M. Irish.....	KJOE	300,600	PG	Atlantic Refining Co.....	Do.
W. M. Tupper.....	WJR	300,600	PG	Gulf & Southern Steamship Co.	
Wonahbe.....	KIBX	300,600	PG	U. S. S. B.....	Do.
Woodman.....	KIBP	300,600	PG	.....do.....	I. W. T. Co.
Woodmansie.....	KIPF	300,600	PG	.....do.....	S. O. R. S.
Woonsoccket.....	WCW	300,450,600	PG	.....do.....	R. C. of A.
Worcester.....	KIKL	300,600	PG	.....do.....	S. O. R. S.
Woudrichem.....	KGIU	300,600	PG	Universal Transportation Co.	I. W. T. Co.
Woyaca.....	KETK	300,600	PG	U. S. S. B.....	S. O. R. S.
W. S. Porter.....	WTM	300,600,1800	PG	Associated Oil Co.....	F. T. Co.
W. S. Rheem.....	WGAO	300,600	PG	U. S. S. B.....	R. C. of A.
Wyandotte.....	WCO	300,500,600	PG	Wyandotte Transportation Co.	Do.
Wyandotte.....	WJW	300,450,600	PG	U. S. S. B.....	S. O. R. S.
Wye.....	KERS	300,600	PG	.....do.....	
Wynooche.....	KFE	300,600	PG	U. S. S. B.....	R. C. of A.
Wyoming.....	KQT	300,450,600	PG	France & Canada S. S. Corp.	Do.
Wytheville.....	KITL	300,600	PG	U. S. S. B.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel.	Station controlled by—
Xenia.....	KOLQ	300,450,600	PG	Foreign & Domestic Transportation Corp.	R. C. of A.
Yadkin.....	KWL	300,600	PG	U. S. S. B.....	Do.
Yainax.....	WXAE	300,600	PG	.....do.....	S. O. R. S.
Yakima.....	KNUI	300,600	PG	.....do.....	I. W. T. Co.
Yaklok.....	KIGX	300,600	PG	.....do.....	Do.
Yamhill.....	WVIE	300,600	PG	.....do.....	Do.
Yaquina.....	KENF	300,600	PG	.....do.....	R. C. of A.
Yawah.....	KEDF	300,600	PG	.....do.....	I. W. T. Co.
Yellowstone.....	KJEE	300,600	PG	.....do.....	S. O. R. S.
Yesoking.....	KERQ	300,600	PG	.....do.....	Do.
Yomachichi.....	WPAI	300,600	PG	.....do.....	R. C. of A.
York Harbor.....	KOJB	300,600	PG	.....do.....	I. W. T. Co.
Yosemite.....	KYS	300,476,600	PG	.....do.....	S. O. R. S.
Yosemite.....	WQY	300,600	PG	Pope & Talbot Co.	Do.
Youngstown.....	KIFX	300,600	PG	U. S. S. B.....	Do.
Yuca.....	KWJ	300,600	PG	.....do.....	R. C. of A.
Yukon.....	WXEU	300,600	PG	.....do.....	I. W. T. Co.
Zaca.....	WKOA	300,600	PG	Tropical Fruit Co.	Do.
Zacapa.....	KLE	300,450,600	PG	U. S. S. B.....	T. R. T. Co.
Zapora.....	WPQ	300,600	PG	United Fruit Co.	S. O. R. S.
Zarembo.....	KICS	300,600	PG	Booth Fisheries Co.	I. W. T. Co.
Zavalla.....	KEVC	300,450,600	PG	Nacirema S. S. Corp.	R. C. of A.
Zenith.....	KZE	300,600	P	Charles Longstreth.	I. W. T. Co.
Zirkel.....	WREO	300,600	PG	U. S. S. B.....	R. C. of A.
Zulia.....	KDZ	300,450,600	PG	Atlantic & Caribbean Steam Navigation Co.	

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Station.	Call signal.	Station.
KBA A	Lake Ontario.....b	KEBS	Jekyl.....b
KBA I	Lake Bridge.....b	KEBT	Nesco.....b
KBA O	Lake Superior.....b	KEBV	Lake Flushing.....b
KBA U	Lakeshore.....b	KEBX	Remus.....b
KBE A	Lake Weir.....b	KEBZ	The Lambs.....b
KBE E	Lakeview.....b	KEC	Concho.....b
KBE I	Lake Dummore.....b	KECB	Edenton.....b
KBE O	Lake George.....b	KECC	Marshfield.....b
KBE U	Ardena.....b	KECF	Cawker.....b
KBI A	Fort George.....b	KECG	Chicago Bridge.....b
KBO E	Artisan.....b	KECJ	Decatur Bridge.....b
KBO O	Lakewood.....b	KECK	Hico.....b
KBO U	Lakeland.....b	KECL	Opelika.....b
KBU A	Lake Traverse.....b	KECM	Lake Gitano.....b
KBU E	Lake Stirling.....b	KECN	Lake Fannin.....b
KBU I	Vittorio Emmanuele III.....b	KECR	West Tacock.....b
KBU O	Westmount.....b	KECS	Duquesne.....b
KBU U	Westboro.....b	KECT	Horado.....b
KCA E	Chetopa.....b	KECV	Lake Flynnus.....b
KCO E	Nipsic.....b	KECX	West Imboden.....b
KDA A	Philadelphia.....b	KECZ	Ahala.....b
KDAB	Hog Island, Pa.....c	KEDB	Balosaro.....b
KDAC	Sinasta.....b	KEDC	Dalgada.....b
KDAD	Agwisum.....b	KEDD	Acrema.....b
KDAF	Peconic.....b	KEDF	Yawah.....b
KDAG	M. Mitchell Davis.....b	KEDG	Kamesit.....b
KDAH	Fairport, Va.....b	KEDK	Onekama.....b
KDAJ	N. & K. No. 2.....b	KEDL	Fame.....b
KDAK	Fish Canners No. 1.....b	KEDM	Lake Faribault.....b
KDAL	Broxton.....b	KEDN	Lake Fariston.....b
KDAM	West Notus.....b	KEDP	Lake Farley.....b
KDAN	West Kebar.....b	KEDQ	West Maximus.....b
KDAP	West Kedron.....b	KEDR	Western Glen.....b
KDAQ	William B. Livingstone.....b	KEDS	Imufka.....b
KDB	Caracas.....b	KEDT	West Quechee.....b
KDD	Cartago.....b	KEDV	West Nosska.....b
KDE	Carrillo.....b	KEDX	West Hardaway.....b
KDEA	Lake Fernwood.....b	KEDZ	West Hargrave.....b
KDF	Coppename.....b	KEE	West Catanace.....b
KDG	Parismina.....b	KEF	Henry R. Mallory.....b
KDH	Heredia.....b	KEFB	Sac City.....b
KDI	Abangarez.....b	KEFC	West Carnifax.....b
KDJ	San Jose.....b	KEFD	Bar Harbor.....b
KDK	Atenas.....b	KEFF	Tanka.....b
KDL	Levisa.....b	KEFJ	Copalgrove.....b
KDM	Maracaibo.....b	KEFK	Cerro Gardo.....b
KDO	Esparta.....b	KEFL	Chamberino.....b
KDOI	Consort.....b	KEFM	Lake Inaha.....b
KDQ	Santore.....b	KEFN	Lake Friar.....b
KDR	Limon.....b	KEFP	Lake Frio.....b
KDS	Sixaoala.....b	KEFQ	Western Knight.....b
KDT	Turrialba.....b	KEFR	Ossining.....b
KDV	Libby Maine.....b	KEFS	West Harlan.....b
KDW	Nakat Inlet, Alaska.....c	KEFT	City of Eureka.....b
KDX	Firmore.....b	KEFX	West Harshaw.....b
KDY	Walter D. Noyes.....b	KEFZ	West Harts.....b
KDZ	Zulia.....b	KEG	Rio Grande.....b
KEA	Phyllis.....b	KEGB	Morganza.....b
KEB	Sabine.....b	KEGC	Bristol.....b
KEBC	Nehalem.....b	KEGF	Eclipse.....b
KEBD	Abron.....b	KEGG	Chamblee.....b
KEBF	Edgefield.....b	KEGJ	Chaparel.....b
KEBG	Fort Stevens.....b	KEGK	Chantier.....b
KEBJ	Fort Scott.....b	KEGL	Lake Foxcraft.....b
KEBK	Fort Smith.....b	KEGM	Dirigo.....b
KEBL	Fort Sill.....b	KEGN	Lake Frolomo.....b
KEBM	Lake Giltedge.....b	KEGP	Lake Frugality.....b
KEBN	Lake Girth.....b	KEGQ	Saluda.....b
KEBP	Lake Farabee.....b	KEGR	Lake Frohma.....b
KEBQ	West Henshaw.....b	KEGS	West Hartland.....b
KEBR	Lake Strabo.....b	KEGT	West Hartley.....b

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## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.	
KEGX	West Hassayampa.....	b	KENJ	West Compo.....	.b
KEH	Nueces.....	b	KENK	West Modus.....	b
KEI	Medina.....	b	KENL	Boone.....	b
KEJ	Alamo.....	b	KENM	Coverun.....	b
KEJB	Kokomo.....	b	KENN	Cowan.....	b
KEJD	Easterling.....	b	KENP	Lake Elkwood.....	b
KEFJ	Western Ally.....	b	KENQ	Ballew.....	b
KEJG	Lake Fraichur.....	b	KENR	Itompa.....	b
KEJJ	Lake Fraley.....	b	KENS	Caprille.....	b
KEJK	Lake Grainger.....	b	KENT	Lake Frecks.....	b
KEJL	Lake Gramma.....	b	KENV	Ballcamp.....	b
KEJN	Lake Fanbush.....	b	KENX	Clincho.....	b
KEJP	Lake Faulk.....	b	KENZ	Banaran.....	b
KEJQ	Cabegon.....	b	KEP	Lampasas.....	b
KEJS	West Amargosa.....	b	KEPB	Fort Leavenworth.....	b
KEJT	William M. Mills.....	b	KEPD	Burnwood.....	b
KEJV	Faraby.....	b	KEPF	Diablo.....	b
KEIX	Transportation.....	b	KEPG	Meteer.....	b
KEK	San Marcos.....	b	KEPJ	Agwistar.....	b
KEKB	East Wind.....	b	KEPK	Brevard.....	b
KEKC	Norma.....	b	KEPL	Briarcliffe.....	b
KEKD	West Cobalt.....	b	KEPM	Aledo.....	b
KEKF	Berela.....	b	KEPN	Lake Elkwater.....	b
KEKG	Lake Grampian.....	b	KEPP	Lake Ellendale.....	b
KEKJ	Lake Grampus.....	b	KEPR	Lake Ellenorah.....	b
KEKL	Saguache.....	b	KEPT	Proctor.....	b
KEKM	Lake Fansdale.....	b	KEPS	Sahale.....	b
KEKN	Lake Fanquier.....	b	KEPV	Laxy Bay, Alaska.....	c
KEKP	Lake Furlough.....	b	KEPX	Saco.....	b
KEKQ	Castle Wood.....	b	KEPY	Wallingford.....	b
KEKR	Homestead.....	b	KEPZ	Alcis.....	b
KEKS	Tartar.....	b	KEQ	Alecto.....	b
KEKT	Oscoda.....	b	KEQB	Port Walter, Alaska.....	c
KEKV	Neabsco.....	b	KEQC	Dallas.....	b
KEKX	Batanes.....	b	KEQD	Barugo.....	b
KEKZ	Bluffton.....	b	KEQF	Bolkow.....	b
KEL	Isonomia.....	b	KEQG	Banica.....	b
KELB	North Pole.....	b	KEQJ	Baldridge.....	b
KELC	Polar Star.....	b	KEQK	Baldrock.....	b
KELD	Albatross.....	b	KEQL	Belvidere.....	b
KELF	Eldora.....	b	KEQM	Nemassa.....	b
KELG	Buckhannon.....	b	KEQN	Lake Ellerslie.....	b
KELJ	Berea.....	b	KEQP	Lake Ellicott.....	b
KELK	West El Cajon.....	b	KEQQ	Lake Festinia.....	b
KELL	Boonsborough.....	b	KEQR	Aculeo.....	b
KELM	Lake Fernando.....	b	KEQS	Galahad.....	b
KELN	Lake Ferrona.....	b	KEQV	Calao.....	b
KELP	Lake Fessenden.....	b	KEQX	Pisco.....	b
KELQ	Prusa.....	b	KER	Salaverry.....	b
KELR	Cochin.....	b	KERB	H. M. Flagler.....	b
KELS	Damacan.....	b	KERC	Barias.....	b
KELT	Dardora.....	b	KERD	Batino.....	b
KELV	Obak.....	b	KERF	Katonah.....	b
KELX	Oyaka.....	b	KERG	Star of Greenland.....	b
KELZ	Nawitka.....	b	KERJ	Shooters Island.....	b
KEM	Comal.....	b	KERK	West Erral.....	b
KEMB	Ethelmuie.....	b	KERL	Utoka.....	b
KEMC	A wensdaw.....	b	KERM	Gameri.....	b
KEMD	Birchleaf.....	b	KERN	Lake Festus.....	b
KEMF	Guildford.....	b	KERP	Lake Fibre.....	b
KEMG	Susanna II.....	b	KERQ	Lake Fielding.....	b
KEMJ	Panay.....	b	KERR	Yesoking.....	b
KEMK	Hoxie.....	b	KERS	Benoni.....	b
KEML	Jacox.....	b	KERT	Wye.....	b
KEMM	Covalt.....	b	KERX	Bethelbridge.....	b
KEMN	Covedale.....	b	KERZ	Miller County.....	b
KEMP	Covena.....	b	KES	Cecil County.....	b
KEMQ	Finback.....	b	KESB	San Jacinto.....	b
KEMR	Oraton.....	b	KESC	Lake Foxboro.....	b
KEMT	Tavernilla.....	b	KESD	Sacandaga.....	b
KEMV	Santurce.....	b	KESF	Castle Point.....	b
KEMX	West Vaca.....	b	KESG	Arambi.....	b
KEMZ	Ballenas.....	b	KESJ	Sapinero.....	b
KEN	H. F. Dimock.....	b	KESK	West Carruth.....	b
KENB	Tyee.....	b	KESL	Lake Flovilla.....	b
KENC	East Cape.....	b	KESM	Cowardin.....	b
KEND	Triumph.....	b	KESN	Lake Fife.....	b
KENF	Yaqquina.....	b	KESP	Lake Figart.....	b
KENG	West Avenal.....	b		Lake Fighting.....	b

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
KESQ	Bidwell.....	b	KFB	City of Atlanta.....
KESR	Hampton Roads.....	b	KFD	Lake Janet.....
KESV	City of Freeport.....	b	KFE	Wynoochee.....
KESX	D'Arbonne.....	b	KFEO	Monana.....
KESZ	Henry Clay.....	b	KFF	Frieda.....
KET	(Bolinus, Calif. (transmitting). . . . .	c	KFG	Feltore.....
KETC	(Marshall, Calif. (receiving). . . . .	c	KFH	West Ashawa.....
KETD	Quapaw.....	b	KFI	I. D. Fletcher.....
KETF	Quemakonging.....	b	KFK	City of Augusta.....
KETJ	Esopus.....	b	KFL	City of Savannah.....
KETK	Moss Point.....	b	KFM	Maryanne.....
KETL	Woyaca.....	b	KFN	Mahnet.....
KETM	Bonneteere.....	b	KFO	Tormenter.....
KETN	Askawake.....	b	KFP	Buccaneer.....
KETP	Edgehill.....	b	KFQ	Nacoochee.....
KETQ	Edgemont.....	b	KFT	Owego.....
KETR	Arundel.....	b	KFV	Tasco.....
KETS	Aspenhill.....	b	KFW	Borinquen.....
KETT	Boxbutte.....	b	KFX	Freedom.....
KETV	Boykin.....	b	KFY	City of St. Louis.....
KETX	Joan of Arc.....	b	<b>KGA</b>	City of Montgomery.....
KETZ	Georgina Roiph.....	b	KGAE	Coamo.....
KEU	Annette Rolph.....	b	KGB	New Windsor.....
KEVB	S. V. Harkness.....	b	KGD	Baganito.....
KEVC	Osawatomie.....	b	KGE	Suruga.....
KEVD	Zavalla.....	b	KGOE	Westwego.....
KEVF	West Corum.....	b	KGIU	Woudrichem.....
KEVG	Edgemoor.....	b	KGJ	San Juan.....
KEVJ	Eldena.....	b	KGK	Edgar F. Luckenbach.....
KEVL	Fort Seward.....	b	KGL	Dochra.....
KEVM	Grayling.....	b	KGM	Mexicano.....
KEVN	Nishimaha.....	b	KGOE	Lake Harney.....
KEVP	Osaquumsick.....	b	KGP	Ponce.....
KEVR	Ozette.....	b	KGQ	Edward Luckenbach.....
KEVS	Hartwood.....	b	KGR	Cambridge.....
KEVT	Chappell.....	b	KGS	Senator Bailey.....
KEVV	Schodack.....	b	KGT	J. L. Luckenbach.....
KEVX	Schoharie.....	b	KGUE	Caribbean.....
KEVZ	Tolland.....	b	KGUI	Apex.....
KEX	Lake Faresman.....	b	KGV	Fred'l Luckenbach.....
KEXB	Josiah Macy.....	b	KGW	Isabela.....
KEXC	McKeesport.....	b	KGX	Sewells Point.....
KEXD	Puyallup.....	b	KGZ	Julia Luckenbach.....
KEXF	Elihu Thomson.....	b	<b>KHA</b>	Uyak, Alaska.....
KEXG	West Munham.....	b	KHB	Kvichak, Alaska.....
KEXJ	West Nohmo.....	b	KHC	Chignik, Alaska.....
KEXK	West Togus.....	b	KHD	Stanwood.....
KEXL	West Totant.....	b	KHE	Lake Silver.....
KEXM	Lake Folcroft.....	b	KHF	Snag Point, Alaska.....
KEXN	Wawalona.....	b	KHG	Clarks Point, Alaska.....
KEXQ	Moline.....	b	KHK	Wahiawa, Hawaii.....
KEXR	South Bend.....	b	KHL	Lahaina, Hawaii.....
KEXS	Grand Haven.....	b	KHM	Lihue, Hawaii.....
KEXT	Milwaukee.....	b	KHN	Kawaihae, Hawaii.....
KEXV	Peter H. Crowell.....	b	KHO	Kaunakakai, Hawaii.....
KEXZ	Hoven.....	b	KHP	Mangore.....
KEY	West Cajoot.....	b	KHR	J. W. Van Dyke.....
KEZ	Glymont.....	b	KHS	H. C. Folger.....
KEZB	Cape Edwards, Alaska.....	c	KHT	Naknek, Alaska.....
KEZC	Brazos.....	b	KHU	Lake Odgen.....
KEZD	Lake Sapor.....	b	KHV	Lake Jessup.....
KEZF	Lake Fonda.....	b	KHW	Lake Charles.....
KEZJ	Lake Fontana.....	b	KHY	K. I. Luckenbach.....
KEZK	Lake Fontanet.....	b	KHZ	Mystic.....
KEZL	Lake Gilboa.....	b	<b>KIA</b>	Ardmore.....
KEZM	Lake Gilpen.....	b	KIB	Muskogee.....
KEZN	Lake Gulta.....	b	KIBB	Lake Glebe.....
KEZP	West Harcuvar.....	b	KIBC	Silverbrook.....
KEZQ	West Hembrie.....	b	KIRD	Shenandoah.....
KEZT	West Hematite.....	b	KIBF	Milwaukee Bridge.....
KEZV	Glyndon.....	b	KIBG	National Bridge.....
KEZR	West Celina.....	b	KIBJ	Passaic Bridge.....
KEZS	Brookside.....	b	KIBK	Opequan.....
KEZT	Gray Eagle.....	b	KIBL	Masca.....
KEZX	Mannahocking.....	b	KIBM	Sophie Frankel.....
KEZZ	Poughkeepsie.....	b	KIBN	Santa Malta.....
<b>KFA</b>	City of Columbus.....	b	KIBP	Woodman.....
<b>KFAI</b>	Glendola.....	b	KIBQ	Saugus.....
<b>KFAO</b>	Glendoyle.....	b	KIBR	Craftsman.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.		
KIBS	Braxton.....	.b	KIH	Corning.....	.b
KIBT	Corvallis.....	.b	KII	Evangeline.....	.b
KIBV	Brentwood.....	.b	KIJ	Acme.....	.b
KIBX	Wonahbe.....	.b	KIJB	Lake Candelaria.....	.b
KIBZ	Byfield.....	.b	KIJC	Balsam.....	.b
KIC	Standard.....	.b	KIJD	Barrenfark.....	.b
KICB	Bushrod.....	.b	KIJF	Barryton.....	.b
KICC	Butte.....	.b	KIJG	Wicasta.....	.b
KICD	Dardania.....	.b	KIJJ	Sabotawan.....	.b
KICF	Datis.....	.b	KIJK	Kisnop.....	.b
KICG	Dertona.....	.b	KIJL	Edellyn.....	.b
KICJ	Diana.....	.b	KIJM	Schroon.....	.b
KICK	Deva.....	.b	KIJN	Knoxville.....	.b
KICM	Edgewood.....	.b	KIJP	Montgomery.....	.b
KICN	Eldridge.....	.b	KIJQ	Hoxbar.....	.b
KICP	WestIslay.....	.b	KIJR	Barstow.....	.b
KICQ	West Isleta.....	.b	KIJS	Butterfield.....	.b
KICR	Gaffney.....	.b	KIJT	Buttercup.....	.b
KICS	Zaremba.....	.b	KIJV	Bethlehem Bridge.....	.b
KICT	Sea Bird.....	.b	KIJX	Brasher.....	.b
KICV	Gunston Hall.....	.b	KIJZ	Dado County.....	.b
KICX	Alta.....	.b	KIK	Westerner.....	.b
KICZ	Admiral Evans.....	.b	KIKB	Hillsborough County.....	.b
KID	Matinicoock.....	.b	KIKC	Jackson.....	.b
KIDB	Lake Granby.....	.b	KIKD	Johnson City.....	.b
KIDC	Satartia.....	.b	KIKF	Jefferson County.....	.b
KIDD	West Alcoz.....	.b	KIKG	St. Johns County.....	.b
KIDF	Hegira.....	.b	KIKJ	St. Augustine.....	.b
KIDJ	Mulpua.....	.b	KIKK	Shortsville.....	.b
KIDK	Borad.....	.b	KIKL	Worcester.....	.b
KIDL	Genesee.....	.b	KIKM	West Kasson.....	.b
KIDM	Anniston.....	.b	KIKN	Mendora.....	.b
KIDN	Chattanooga.....	.b	KIKP	Moosabee.....	.b
KIDP	Louisville Bridge.....	.b	KIKQ	Ambridge.....	.b
KIDQ	Schoodic.....	.b	KIKR	Claifton.....	.b
KIDR	Romulus.....	.b	KIKS	Argenta.....	.b
KIDS	Lake Canaveral.....	.b	KIKT	Evansville.....	.b
KIDT	Barrallton.....	.b	KIKV	Bon Secour.....	.b
KIDV	Waukau.....	.b	KIKX	West Islip.....	.b
KIDX	Waukegan.....	.b	KIKZ	Clio.....	.b
KIDZ	Orleans.....	.b	KIL	Hewitt.....	.b
KIE	Kahuku, Hawaii (transmitting).....	c	KILB	Clodria.....	b
	(Koko Head, Hawaii (receiving).....	c	KILC	Himoto.....	b
KIFB	West Irmo.....	.b	KILD	Aston.....	b
KIFC	Hukley.....	.b	KILF	Elmsport.....	b
KIFD	West Cavanal.....	.b	KILG	Edisto.....	b
KIFF	Alderman.....	.b	KILJ	Edmore.....	b
KIFG	Favorite.....	.b	KILK	Colorado Springs.....	b
KIFJ	Kishacooquillas.....	.b	KILL	City of Spokane.....	b
KIFK	Chautauqua.....	.b	KILM	Waxahachie.....	b
KIFL	Delphine.....	.b	KILN	Neshaminy.....	b
KIFN	Humrick.....	.b	KILP	Meriden.....	b
KIFP	West Conob.....	.b	KILQ	Shaume.....	b
KIFQ	Bound Brook.....	.b	KILR	Scantic.....	b
KIFR	Barranca.....	.b	KILS	Elkwater.....	b
KIFS	Kimta.....	.b	KILT	West Calumb.....	b
KIFT	Angelina.....	.b	KILV	Ipswich.....	b
KIFV	Andrea F. Luckenbach.....	.b	KILX	Monasses.....	b
KIFX	Youngstown.....	.b	KILZ	West Cathwon.....	b
KIFZ	Lorain.....	.b	KIM	Latouche, Alaska.....	c
KIG	Pioneer.....	.b	KIMB	Tuckanuck.....	b
KIGB	Lake Glencoe.....	.b	KIMC	Tripp.....	b
KIGC	Humaconna.....	.b	KIMD	Deer Lodge.....	b
KIGD	Hulver.....	.b	KIMG	West Chefac.....	b
KIGF	Seekonk.....	.b	KIMJ	Cushnoc.....	b
KIGG	Walden.....	.b	KIMK	Vacuum II.....	b
KIGJ	Director.....	.b	KIML	Santa Leonora.....	b
KIGK	Intan.....	.b	KIMM	Winyah.....	b
KIGL	Polybius.....	.b	KIMN	Salvation Lass.....	b
KIGM	Lake Farlin.....	.b	KIMP	Pontchartrain.....	b
KIGN	Atlantis.....	.b	KIMQ	East Side.....	b
KIGP	Gratia.....	.b	KIMR	Dochet.....	b
KIGQ	Santa Elisa.....	.b	KIMS	Burnwell.....	b
KIGR	Blair.....	.b	KIMT	Mount Evans.....	b
KIGS	Harry Luckenbach.....	.b	KIMV	Lake Cannonsburg.....	b
KIGT	Bessemer.....	.b	KIMX	Orinoco.....	b
KIGV	Battonville.....	.b	KIMZ	Pipestone County.....	b
KIGX	Yaklok.....	.b	KIN	Patrol.....	b
KIGZ	Ashbee.....	.b	KINB	Ogontz.....	b

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
KINC	Hyannis.....	.b	KISN	Lake Fagundus.....
KINF	Costigan.....	.b	KISP	Lake Fairlie.....
KING	Watertown.....	.b	KISQ	Aiel.....
KINJ	Lake Fabyan.....	.b	KISR	City of Fairbury.....
KINK	Lake Glasco.....	.b	KISS	Liberty Land.....
KINL	Pere Marquette 8.....	.b	KIST	Laborer.....
KINM	Lehigh.....	.b	KISV	Asquam.....
KINN	West Iron.....	.b	KISX	Lake Farrar.....
KINP	West Hepburn.....	.b	KIT	Tiger.....
KINQ	Eelbeck.....	.b	KITB	Lake Falama.....
KINR	Olen.....	.b	KITC	Babooasic.....
KINS	Boston Bridge.....	.b	KITF	Firthcliffe.....
KINT	Bay Head.....	.b	KITG	Kittegaun.....
KINV	Caino.....	.b	KITJ	Innoko.....
KINX	Davidson County.....	.b	KITK	Bellbuckle.....
KINZ	Pawtucket.....	.b	KITL	Wytheville.....
KIO	Brynhilda.....	.b	KITM	Betsy Bell.....
KIP	General W. C. Gorgas.....	.b	KITN	Nameaug.....
KIPB	Assmippi.....	.b	KITP	Lake Gadsden.....
KIPC	Pontia.....	.b	KITQ	Lake Singara.....
KIPD	Wallkill.....	.b	KITR	Keshena.....
KIPF	Woodmansie.....	.b	KITS	Klokee.....
KIPG	Doylestown.....	.b	KITT	Kiron.....
KIPH	West Chatala.....	.b	KITV	Kitchi.....
KIPK	West Segovia.....	.b	KITX	Willaro.....
KIPL	Pyramus.....	.b	KITZ	West Inskip.....
KIPM	Utina.....	.b	KIU	Western Hero.....
KIPN	Lake Gazette.....	.b	KIVB	Minnequa.....
KIPP	American Star.....	.b	KIVC	Kewanee.....
KIPQ	Lake Fablus.....	.b	KIVD	Marina.....
KIPR	S. B. Hunt.....	.b	KIVF	Lightburne.....
KIPS	Geo. H. Jones.....	.b	KIVG	Mercer Victory.....
KIPT	Edna.....	.b	KIVJ	Hatchie.....
KIPV	Luxpallie.....	.b	KIVK	Traveller.....
KIPX	Maiden Creek.....	.b	KIVM	Lake Fear.....
KIPZ	Lake Farmingdale.....	.b	KIVN	Explorer.....
KIQ	Astral.....	.b	KIVP	Westoil.....
KIQB	Belfort.....	.b	KIVQ	Huguenot.....
KIQC	Westmoreland.....	.b	KIVR	Devolente.....
KIqd	Cansumset.....	.b	KIVS	Delfina.....
KIQF	Cotati.....	.b	KIVT	Delisle.....
KIQG	West Aleta.....	.b	KIVV	West Cactus.....
KIQJ	Fort Logan.....	.b	KIVX	Guardsmans.....
KIQK	Cold Spring.....	.b	KIVZ	Custodian.....
KIQL	Cleopatra.....	.b	KIXB	West Cheswald.....
KIQM	Nedimac.....	.b	KIXC	West Raritans.....
KIQN	Lake Farragut.....	.b	KIXD	Lackawanna Valley.....
KIQP	Lake Fackler.....	.b	KIXF	Ablanset.....
KIQQ	Thala.....	.b	KIXG	Asaboth.....
KIQR	Hugoton.....	.b	KIXJ	Fourth Alabama.....
KIOS	Bathgate.....	.b	KIXK	Lafcomo.....
KIQT	Bathatum.....	.b	KIXL	Lebanon.....
KIQV	Corson.....	.b	KIXM	Lockport.....
KIQX	Fluor Spar.....	.b	KIXN	Lordship Manor.....
KIR	Eagle.....	.b	KIXP	Nonantum.....
KIRB	Lake Farber.....	.b	KIXQ	Putnam.....
KIRC	Newton.....	.b	KIXR	Tulsa.....
KIRF	West Cayote.....	.b	KIXS	Abraham Lincoln.....
KIRG	New Britain.....	.b	KIXT	Lake Flagon.....
KIRJ	Lake Frumet.....	.b	KIXV	Champion.....
KIRK	Sharon.....	.b	KIXX	Wekika.....
KIRM	Arenas.....	.b	KIXZ	West Selene.....
KIRN	Haddon.....	.b	KIZB	Delco.....
KIRP	Waco.....	.b	KIZC	Bakersfield.....
KIRQ	Delavan.....	.b	KIZD	Barthney.....
KIRR	Cambridge.....	.b	KIZF	Buffalo Bridge.....
KIRS	John Ena.....	.b	KIZG	Parksville.....
KIRT	Derbyline.....	.b	KIZJ	Dauperata.....
KIRV	Lake Fairfax.....	.b	KIZK	Katherine.....
KIRX	Casper.....	.b	KIZL	Avalon.....
KIRZ	Glen Ridge.....	.b	KIZM	Lake Flagstaff.....
KIS	Marshall, Alaska.....	c	KIZN	Lake Flambeau.....
KISB	Conewago.....	.b	KIZP	Shickshinny.....
KISC	Orcus.....	.b	KIZQ	Bannack.....
KISD	Seattle Spirit.....	.b	KIZR	Winona County.....
KISF	Wheatland Montana.....	.b	KIZS	Vincent.....
KISG	Elkridge.....	.b	KIZT	Algonquin.....
KISJ	Stanley.....	.b	KIZV	Imlay.....
KISK	West Keeme.....	.b	KIZX	Labette.....
KISM	Baldbutte.....	b	KIZZ	Rockaway Park.....

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
<b>KJA</b>	Jualin, Alaska	c	KKQ	E1 Sud
KJAA	Chebaulip	b	KKR	Creole
KJAE	West Indian	b	KKS	E1 Siglo
KJAI	West Durfee	b	KKT	E1 Cid
KJAO	West Lianga	b	KKU	E1 Mundo
KJAU	West Grove	b	KKUA	Wayucan
KJB	Bushong	b	KKUI	William G. Mather
KJC	Oceme	b	KKV	E1 Oriente
KJD	North Land	b	KKW	E1 Valle
KJE	Norlina	b	KKX	E1 Occidente
KJEA	Western Ocean	b	KKY	E1 Dia
KJEE	Yellowstone	b	KKZ	E1 Rio
KJEI	John M. Connelly	b	<b>KLA</b>	Pastores
KJEU	Santa Luisa	b	KLAA	Luella
KIF	Carolinian	b	KLAE	Overbrook
KIG	Eurana	b	KLAI	Afrania
KJH	West Wind	b	KLAO	Lake Crystal
KJI	Satsuma	b	KLAU	Lake Winona
KJIA	Barrington	b	KLB	Buttonwood
KJIE	Walter A. Luckenbach	b	KLC	Calamares
KJII	Muscatine	b	KLD	Fort Worth
KJIO	Paul H. Harwood	b	KLE	Zacapa
KJIU	Carib	b	KLEA	Lake Maurepas
KJK	King Cove, Alaska	c	KLEE	Lake St. Regis
KJL	False Pass, Alaska	c	KLEI	Lake Allen
KJM	West Cherow	b	KLEO	Lake Clear
KJN	J. A. Bostwick	b	KLEU	Lake Pewaukee
KJO	Glorietta	b	KLF	Metapan
KJOA	Faith	b	KLG	Santa Marta
KJOE	W. M. Irish	b	KLH	Saramaca
KJOI	Sturgeon Bay	b	KLI	Suriname
KJOO	West Bridge	b	KLIA	Lake Otisco
KJOU	Tuckahoe	b	KLIE	Lake Como
KJP	Joseph R. Parrott	b	KLIU	Lake Sunapee
KJT	Waban	b	KLJ	Beatrice
KJU	Baco	b	KLK	Craster Hall
KJUA	Ice King	b	KLL	Thompson Falls
KJUE	Radnor	b	KLM	Bantu
KJUI	Point Lobos	b	KLN	Abbeville
KJUO	West Alsek	b	KLO	Santa Rosalia
KJUU	West Apaum	b	KLOE	Lake Hemlock
KJV	West Haven	b	KLOI	Lakehurst
KJW	O. T. Waring	b	KLOO	Lake Lida
KJX	Westland	b	KLOU	Lake Shawano
KJY	West Point	b	KLQ	Great Falls, Mont. (Rainbow)
KJZ	Chinchas	b	KLR	Crofton Hall
<b>KKK</b>	Yakutat, Alaska	c	KLT	Howick Hall
KKAA	Sulizer, Alaska	c	KLU	Charlton Hall
KKAE	Nushagak, Alaska	c	KLUA	Lake Capens
KKAI	Hawk Inlet, Alaska	c	KLUF	Lake Sebago
KKAO	Kussilof, Alaska	c	KLUI	Lake Cayuga
KKAU	Avondale	b	KLUO	Lake Ennis
KKB	El Sol	b	KLUU	Agarista
KKC	Chalmette	b	KLV	San Mateo
KKD	Comus	b	KLW	Port Althorp, Alaska
KKE	Topila	b	KLX	Kermanshah
KKEA	Cabeza	b	KLY	Deepwater
KKEE	Nanking	b	KLZ	Speedwell
KKEI	City of Sydney	b	<b>KMA</b>	Allianca
KKEO	Waukesha	b	KMAA	Admiral Nicholson
KKEU	Mariners Harbor	b	KMAI	Catherine D.
KKF	Torres	b	KMAO	Kingfisher
KKG	El Almirante	b	KMAU	Ampetco
KKH	El Capitan	b	KMB	Amolco
KKI	Kilkenny	b	KMD	Cristobal
KKIA	Daca	b	KME	Pennant
KKIE	Forster	b	KMEI	Orizaba
KKII	Eyota	b	KMEO	Cletus Schneider
KKIO	Wasco	b	KMEU	Pasadena
KKIU	Nacogdoches	b	KMF	Eggeik, Alaska
KKJ	West Celeron	b	KMG	Ekuk, Alaska
KKL	El Alba	b	KMH	Panama
KKM	Momus	b	KMI	Tivives
KKN	El Norte	b	KMIA	Carib
KKO	Excelsior	b	KMIE	Cape Henry
KKOA	Biran	b	KMII	Masuda
KKOE	Lake Annette	b	KMIO	Willimantic
KKOO	Chimo	b	KMIU	W. M. Burton
KKOU	Wakanna	b	KMJ	Mattoa
KKP	Mahanna	b	KMK	Naknek, Alaska

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KML	Lockanok, Alaska.....	c	KOBP	Bird City.....
KMM	Panuco.....	b	KOBQ	Gonzalis.....
KMN	Butte, Mont.....	e	KOBR	Barwick.....
KMOE	Accomac.....	b	KOBS	Bartolome.....
KMOI	Eldorado.....	b	KOBT	Lake Inglenook.....
KMOO	Oakland.....	b	KOBV	Baldhill.....
KMOU	Edward Pierce.....	b	KOBX	Moshico.....
KMP	Metha Nelson (moored vessel).....	c	KOBZ	Lake Elon.....
KMQ	Sherman.....	b	KOC	Jamestown.....
KMR	Wellington.....	b	KOCB	Lake Savus.....
KMS	Ancon.....	b	KOCC	Epitacio Pessoa.....
KMT	Libbyville, Alaska.....	c	KOCD	Texarkana.....
KMU	Ugashik, Alaska.....	c	KOCF	Nokatay.....
KMUA	Lake Lasang.....	b	KOCG	Lake Fiscus.....
KMUE	Lake Larga.....	b	KOCJ	Aquilo.....
KMUI	George W. Barnes.....	b	KOCK	West Pocasset.....
KMUE	Fassett.....	b	KOCL	Elkhorn.....
KMUU	Lake Flume.....	b	KOCM	Marsdak.....
KMV	Advance.....	b	KOCN	Federal Bridge.....
KMW	Akutan, Alaska.....	e	KOCP	Continental Bridge.....
KMX	Colon.....	b	KOCQ	Clark Mills.....
KMY	Holden Evans.....	b	KOCR	John W. Wells.....
KMZ	General G. W. Goethals.....	b	KOCS	Lake Girardeau.....
KNA	Dorothy Bradford.....	b	KOCT	Hercules.....
KNAA	Western Sea.....	b	KOCV	West Saginaw.....
KNAE	West Cohas.....	b	KOCX	West Jaffrey.....
KNAI	Western City.....	b	KO CZ	Lake Ellsworth.....
KNAO	Western Chief.....	b	KOD	Jefferson.....
KNAU	Westford.....	b	KODB	Nobles.....
KNB	Lexington.....	b	KODC	Sunbeam.....
KNC	Concord.....	b	KODD	Lake Fisher.....
KND	Plymouth.....	b	KODF	West Caddoa.....
KNE	Clare.....	b	KODG	Siletz.....
KNEA	Western Spirit.....	b	KODK	Hathaway.....
KNEE	Santa Tecla.....	b	KODL	Menominee.....
KNEI	Quinnault.....	b	KODN	Endicott.....
KNEU	Wiahkah.....	b	KODP	Babinda.....
KNF	Wm. G. Warden.....	b	KODQ	Hulaco.....
KNG	Bradford.....	b	KODR	Salem County.....
KNH	Brockton.....	b	KODS	Bellemina.....
KNI	De Soto.....	b	KODT	Dewey.....
KNIA	Wahkiakum.....	b	KODV	Hog Island.....
KNII	Cheron.....	b	KODX	Dillwyn.....
KNIO	Beloit.....	b	KODZ	Ophis.....
KNIU	Coloma.....	b	KOE	Communipaw.....
KNJ	Jason.....	b	KOF	Castle Town.....
KNK	Marica.....	b	KOFC	Bellhaven.....
KNL	Nelson.....	b	KOFD	Anaconda.....
KNM	Millinocket.....	b	KOFF	Auditor.....
KNN	Wico.....	b	KOFG	Sunshine.....
KNO	Trinidadian.....	b	KOFI	Chancook.....
KNOA	Manada.....	b	KOFR	Elkton.....
KNOE	Boulton.....	b	KOFS	Chepadoa.....
KNOI	Bancroft.....	b	KOFT	Lake Ellithorpe.....
KNOU	Bonanlon.....	b	KOFT	Cockaponset.....
KNP	Dayton.....	b	KOFP	Lake Ellsbury.....
KNQ	F. Q. Barstow.....	b	KOFP	Lake Elmhurst.....
KNR	Moldegaard.....	b	KOFR	Basford.....
KNS	Sucrosa.....	b	KOFT	Bascobel.....
KNU	Currier.....	b	KOFT	Bensalem.....
KNUA	Fonduco.....	b	KOFT	Lake Elpueblo.....
KNUI	Yakima.....	b	KOFT	Cook.....
KNUO	Maxama.....	b	KOFT	Coquitt.....
KNUU	Boxley.....	b	KOG	Madison.....
KNW	Robert M. Thompson.....	b	KOGB	Independent Bridge.....
KNX	Susana.....	b	KOGC	Lackawanna Bridge.....
KNY	Fred W. Weller.....	b	KOGD	Moosehausic.....
KNZ	A. C. Bedford.....	b	KOGF	Kootenai.....
KOA	Hamilton.....	b	KOGJ	Nockum.....
KOBB	Shannock.....	b	KOGK	Escambia.....
KOBC	Ruby.....	b	KOGL	West Ira.....
KOBD	Orani.....	b	KOGM	Storm King.....
KOBF	Vanada.....	b	KOGN	Brave Coeur.....
KOBG	Editor.....	b	KOGP	Hadnot.....
KOBJ	Deroche.....	b	KOGQ	Irvington.....
KOBK	West Katan.....	b	KOGR	Lake Fairport.....
KOBL	Lake Ellijay.....	b	KOGS	Lake Flatonia.....
KOBM	Willipolo.....	b	KOGT	Lake Flanders.....
KOBN	Alameda.....	b	KOGV	Lake Gebhart.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KOGX	Merry Mount.....	b	KONF Lakeside Bridge.....
KOGZ	Commissioner.....	b	KOMG Margus.....
KOH	Glenpool.....	b	KONJ Massillon Bridge.....
KOI	Polarine.....	b	KONK Northwestern Bridge.....
KOJ	Ajax.....	b	KONL Fargo.....
KOJB	York Harbor.....	b	KONM La Crosse.....
KOJC	Hamlin.....	b	KONN Sioux Falls.....
KOJD	Sinsinawa.....	b	KONP Lansdowne.....
KOJF	Montana.....	b	KONQ Andrew Jackson.....
KOJG	Jacksonville.....	b	KONR Antietam.....
KOJJ	Lake Galata.....	b	KONS Lake Strymon.....
KOJK	Hanover.....	b	KONT Lake Elsmere.....
KOJL	Cripple Creek.....	b	KONV Lake Filbert.....
KOJM	Lake Onawa.....	b	KONX Detroit-Wayne.....
KOJN	Wisteria.....	b	KONZ City of Alton.....
KOJP	Lake Favonia.....	b	KOP Lackawanna.....
KOJQ	Lake Fitch.....	b	KOPB Lake Fernalda.....
KOJR	Chickasaw.....	b	KOPC Bavington.....
KOJS	Magmeric.....	b	KOPD Dannendaike.....
KOJT	Lake Galien.....	b	KOPF Massick.....
KOJV	Portsmouth.....	b	KOPG Minnewawa.....
KOJX	Lake Galewood.....	b	KOPJ Terre Haute.....
KOJZ	Lake Gaither.....	b	KOPK Circinus.....
KOK	St. Charles.....	b	KOPL Corvus.....
KOKB	Tankerville.....	b	KOPM Nika.....
KOKC	Northern Star.....	b	KOPN Wasagya.....
KOKD	Bellerose.....	b	KOPP Easterly Breeze.....
KOKF	Belleplaine.....	b	KOPQ Bellflower.....
KOKG	Moosatauke.....	b	KOPR Kearny.....
KOKK	Iceland.....	b	KOPS Coolcha.....
KOKL	Kaweah.....	b	KOPT Eglantine.....
KOKM	Daniel Webster.....	b	KOPV Lake Fillion.....
KOKP	Crisfield.....	b	KOPX Mopang.....
KOKQ	Lake Elrio.....	b	KOPZ Centaurus.....
KOKR	Inspector.....	b	KOQ Manoa.....
KOKS	Lake Gera.....	b	KOQB Clauseus.....
KOKT	Bethnor.....	b	KOQC Hagan.....
KOKV	Kaleen.....	b	KOQD Haggod.....
KOKX	Kolda.....	b	KOQF Tri Mountain.....
KOKZ	Lake Fifthian.....	b	KOQG Lake Elmont.....
KOL	Mount Hope.....	b	KOQJ Casey.....
KOLB	Aryan.....	b	KOQK Coldbrook.....
KOLC	Orient.....	b	KOQL Basswood.....
KOLD	Antonia.....	b	KOQM Bastrop.....
KOLG	Tuwetanka.....	b	KOQN Petunia.....
KOLJ	Lake Faxon.....	b	KOQP McCreary County.....
KOLK	Lake Felden.....	b	KOQQ West Ivis.....
KOLL	Clavarack.....	b	KOQR Kingfisher.....
KOLM	Balcatta.....	b	KOQS Egremont.....
KOLN	Susquehanna.....	b	KOQT Quinnipiac.....
KOLP	Cathlamet.....	b	KOQV Caldas.....
KOLQ	Xenia.....	b	KOQX Nipmuc.....
KOLR	Lake Elmdale.....	b	KOQZ Kayseeka.....
KOLS	Chicomico.....	b	KOR Challamba.....
KOLT	Effingham.....	b	KORB Dryden.....
KOLV	Palisades.....	b	KORL Haleakala.....
KOLX	Cranford.....	b	KORM Jadden.....
KOLZ	Lake Getaway.....	b	KORD Sundance.....
KOM	Trontolite.....	b	KORF Noccalula.....
KOMB	Lake Gert.....	b	KORG Cethana.....
KOMC	Lake Flattery.....	b	KORJ Challamba.....
KOMD	Deuel.....	b	KORK Dryden.....
KOMF	Bartholomew.....	b	KORL Haleakala.....
KOMG	Whitemarsh.....	b	KORM Jadden.....
KOMJ	Penguin.....	b	KORP Monomac.....
KOMK	Lycoming.....	b	KORQ Vinton County.....
KOML	J. R. Gordon.....	b	KORS Manham.....
KOMM	Scottsburg.....	b	KORT Hancock County.....
KOMN	San Antonio.....	b	KORV Wildwood.....
KOMP	Coahoma County.....	b	KORX Cliffwood.....
KOMQ	Afoundsria.....	b	KORZ Neptune.....
KOMR	Ashland County.....	b	KOS Lake Saba.....
KOMS	Henry County.....	b	KOSB Widzeon.....
KOMT	Effna.....	b	KOSC Tenakee, Alaska.....
KOMV	Montague.....	b	KOSD Nile.....
KOMX	Peekskill.....	b	KOSF Monroe.....
KOMZ	Coskata.....	b	KOSG Rapidan.....
KONB	Cushnet.....	b	KOSJ Danville.....
KONC	Cuttyhunk.....	b	KOSK Danvers.....
KOND	Indiana Bridge.....	b	KOSL West Kader.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.	
KOSM	City of St. Joseph.....	b	KOZN	Minooka.....	b
KOSN	John Roach.....	b	KOZP	Vigilant.....	b
KOSP	Saponia.....	b	KOZQ	City of Berkeley.....	b
KOSQ	Lake Treba.....	b	KOZR	Culburra.....	b
KOSR	Lake Elsa.....	b	KOZT	West Ivan.....	b
KOSS	John Adams.....	b	KOZV	Lake Elmwood.....	b
KOST	Chester Valley.....	b	KOZX	William H. Webb.....	b
KOSV	Kenowis.....	b	KOZZ	Norumbega.....	b
KOSX	Hartford.....	b	<b>KPA A</b>	Collamer.....	b
KOSZ	Curlew.....	b	KPAE	Point Judith.....	b
KOT	Kanak.....	b	KPAI	Toka.....	b
KOTB	Lake Falun.....	b	KPAO	Biloxi.....	b
KOTC	Teal.....	b	KPAU	Kasota.....	b
KOTD	Cross Keys.....	b	KPD	Blandon.....	b
KOTF	Mitchell.....	b	KPEA	W. H. Tilford.....	b
KOTG	West Jena.....	b	KPEE	Boilstown.....	b
KOTJ	Lake Slavi.....	b	KPEI	Callooh.....	b
KOTK	West Neris.....	b	KPEO	Moritz.....	b
KOTL	Vinita.....	b	KPEU	Damuru.....	b
KOTM	Robin Hood.....	b	KPF	Moraine.....	b
KOTN	West Hesseltine.....	b	KPG	General O. H. Ernst.....	b
KOTP	Wisla.....	b	KPIA	General H. F. Hodges.....	b
KOTQ	Red Mountain.....	b	KPIE	Kenosha.....	b
KOTR	West Montop.....	b	KPII	Pezuta.....	b
KOTS	Wild Goose.....	b	KPIU	Sewickley.....	b
KOTT	Lake Fenn.....	b	KPK	Issaquena.....	b
KOTV	Franklin County.....	b	KPL	Starlite.....	b
KOTX	Delanson.....	b	KPO	Moonlite.....	b
KOTZ	Benowa.....	b	KPOA	Twilite.....	b
KOU	Tidewater.....	b	KPOI	Blue Eagle.....	b
KOV	Kwiguk Slough, Alaska.....	c	KPOO	Lonoke.....	b
KOVB	Gulftrade.....	b	KPOU	Bonifay.....	b
KOVC	Lake Tippah.....	b	KPP	Salmon.....	b
KOVD	Maquan.....	b	KPQ	Dawnlite.....	b
KOVF	Amcross.....	b	KPR	Sunlite.....	b
KOVG	Lake Elmsford.....	b	KPS	Daylite.....	b
KOVJ	Dilworth.....	b	KPT	Benjamin Brewster.....	b
KOVK	Sapelo.....	b	KPU	Achilles.....	b
KOVL	Lake Fandango.....	b	KPUA	Ulysses.....	b
KOVM	Robin Adair.....	b	KPUE	Makanda.....	b
KOVN	E. A. Morse.....	b	KPUI	Belding.....	b
KOVP	Clarksburg.....	b	KPUO	Kineo.....	b
KOVR	Elfay.....	b	KPUU	Benzonia.....	b
KOVS	Abercos.....	b	KPW	Barabos.....	b
KOVT	Lake Fandon.....	b	KPY	Cape Cod.....	b
KOVV	Coeur d'Alene.....	b	KPZ	Jane Palmer.....	b
KOvx	Coelleda.....	b	<b>KQA</b>	Governor Brooks.....	b
KOvz	Tampa.....	b	KQAA	Harry Fanum.....	b
KOW	I. J. Merritt.....	b	KQAI	Cubura.....	b
KOX	Mascotte.....	b	KQAO	Wallowa.....	b
KOXB	Henry M. Flagler.....	b	KQAU	Calala.....	b
KOXC	Haslehurst.....	b	KQB	Dalana.....	b
KOXD	Suwied.....	b	KQC	Walter Hardcastle.....	b
KOXF	Tashmoo.....	b	KQD	Cretan.....	b
KOXA	Tekoa.....	b	KQE	Dorchester.....	b
KOXB	Toledo Bridge.....	b	KQE A	Essex.....	b
KOXA	Tona.....	b	KQE A	Clackamas.....	b
KOXX	Tonesit.....	b	KQE E	Anoka.....	b
KOXL	Tuladi.....	b	KQE I	Bell Brook.....	b
KOXM	Vincennes Bridge.....	b	KQE O	Lake Charlotte.....	b
KOZN	Pirate Cove, Alaska.....	c	KQF	Gene Crawley.....	b
KOXP	Von Steuben.....	b	KQG	Gloucester.....	b
KOXA	Agememnon.....	b	KQH	Howard.....	b
KOXR	Tampico.....	b	KQI	Keresaspa.....	b
KOXS	West Jessup.....	b	KQIA	Corozal.....	b
KOXT	Robin Gray.....	b	KQIE	Farnam.....	b
KO XV	Roanoke.....	b	KQII	Santa Olivia.....	b
KOXX	Steelmaker.....	b	KQIO	Deranof.....	b
KOZX	Steel Age.....	b	KQIU	West Ekonk.....	b
KOY	Herbert L. Pratt.....	b	KQJ	Juniata.....	b
KOZ	Miami.....	b	KQK	Kershaw.....	b
KOZB	City of Omaha.....	b	KQL	Oakley C. Curtis.....	b
KOZC	Aeolus.....	b	KQM	Merrimack.....	b
KOZD	Rockport.....	b	KQN	Nantucket.....	b
KOZF	Tenafly.....	b	KQO	Ontario.....	b
KOZG	Moravia Bridge.....	b	KQOA	Anacortes.....	b
KOZJ	West Niger.....	b	KQOE	Delight.....	b
KOZK	West Hika.....	b	KQOI	Western Light.....	b
KOZL	Quaker City.....	b	KQOO	Western Maid.....	b
KOZM	Miskianza.....	b	KQOU	Bosworth.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KQP	Kerlew	b	KSIA	East Cliff
KQQ	Quantico	b	KSIE	Glen White
KQR	Grecian	b	KSHI	Lake Catherine
KQS	Washington Bay, Alaska	c	KSIU	Lake Benton
KQT	Wyoming	b	KSIQ	Argonne
KQU	Ruth E. Merrill	b	KSJ	Security
KQUA	Allies	b	KSK	Caddo
KQUE	Lancaster	b	KSM	Philadelphia
KQUO	Lake Chelan	b	KSN	New York
KQUU	West Gambo	b	KSO	St. Paul
KQV	Samuel Faunce	b	KSOA	Polar Sea
KQW	Dorothy Palmer	b	KSOE	Lake Eckhart
KQX	Persian	b	KSOI	Lake Wimico
KQY	Edward J. Lawrence	b	KSOO	Lake Duncan
KQZ	City of Rome	b	KSOU	Bylavl
<b>KRA</b>	Freeport Sulphur No. 1	b	KSP	Caloria
KRAA	West Coast	b	KSQ	Charles Pratt
KRAE	Mauban	b	KSR	Bayway
KRAI	Bromela	b	KST	Princeton
KRAO	Brompton	b	KSU	Somerset
KRAU	Broncho	b	KSU A	F. D. Asche
KRB	Governor Cobb	b	KSU I	Colindo
KRC	Camden	b	KSU O	Umatilla
KRD	Belfast	b	KSUU	Montezuma
KREA	Cape Romain	b	KSV	Standard Arrow
KREE	Gulfport	b	KSW	Royal Arrow
KREI	Lake Washburn	b	KSX	Sylvan Arrow
KREO	Lake Mary	b	KSY	Broad Arrow
KRF	Ransom H. Fuller	b	KSZ	Cora F. Cressy
KRG	Freeport Sulphur No. 2	b	<b>KTA A</b>	Alloway
KRH	City of Bangor	b	KTA I	Lake Eliko
KRI	City of Rockland	b	KTA O	Lake Frances
KRIA	Lake Daraga	b	KTAU	Eastern Star
KRIE	Astoria	b	KTB	Gulfstream
KRII	Lake Elsinore	b	KTC	Shenango
KRIO	Octorara	b	KTD	Ligonier
KRIU	Liberator	b	KTE	Winifred
KRJ	Relief	b	KTE A	Eastern Sea
KRK	Gargoyle	b	KTEE	Western Cross
KRL	Kiowa	b	KTE I	Winnebago
KRM	Resolute	b	KTE O	Fort Wright
KRN	Calvin Austin	b	KTE U	Bourville
KRO	Bramell Point	b	KTF	J. M. Guffey
KROA	Blythedale	b	KTG	Gulffoil
KROE	Aniwa	b	KTH	Robert P. Clark
KROI	Wampum	b	KTI	Brilliant
KROO	Wassaic	b	KTIA	Bowesmont
KROU	Garibaldi	b	KTIE	Eastern Sun
KRP	Rescue	b	KTIO	Fresno
KRQ	Manitowoc	b	KTIU	Lake Blanchester
KRR	C. A. Snider	b	KTJ	Comet
KRS	Paulsboro	b	KTL	Rayo
KRT	Saint Francis	b	KTM	Eocene
KRU	Fordonian	b	KTN	Perfection
KRUA	Cresap	b	KTO	John D. Rockefeller
KRUE	Brookwood	b	KTO A	Lake Narka
KRUI	Santa Flavia	b	KTO E	Lake Monroe
KRUO	Wakulla	b	KTO I	Lake Greenwood
KRUU	Socony 88	b	KTO O	Lake Yemassee
KRV	Governor Dingley	b	KTOU	Lake Markham
KRW	Sierra	b	KTP	James McGee
KRX	Rama	b	KTQ	City of Everett
KRZ	Sudbury	b	KTR	Radiant
<b>KSA</b>	Standard II	b	KTS	Vesta
KSA A	Socony 89	b	KTT	Paraguay
KSA E	Rose Mahoney	b	KTU	Sun
KSA I	Capines	b	KTUA	Lake Leden
KSA O	Lake Conesus	b	KTUE	Lake Bledsoe
KSAU	Aquackanock	b	KTUI	Lake Pepin
KSB	J. E. O'Neil	b	KTU O	Sagadahoc
KSC	Chinampa	b	KTU U	Lake Pachuta
KSEA	Absecon	b	KTV	Dulcino
KSEE	Mineola	b	KTX	Socony
KSEI	Eastern Chief	b	KTY	W. C. Teagle
KSEO	Quidnuc	b	KYZ	Brindilla
KSEU	Jonancy	b	<b>KUA</b>	Gulfight
KSF	Finland	b	KUB	Gulfmaid
KSG	Baton Rouge	b	KUB B	Cold Harbor
KSH	Kroonland	b	KUB C	Laramie
KSI	H. H. Rogers	b	KUB D	Claremont

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
KUBF	San Diego.....	b	KUGL	Lake Galisteo.....
KUBG	Betterton.....	b	KUGM	Ripon.....
KUBJ	Liberty Minquas.....	b	KUGN	Lake Haresti.....
KUBK	Bearport.....	b	KUGP	Seminole.....
KUBL	Pawlet.....	b	KUGQ	Star of Holland.....
KUBM	St. Anthony.....	b	KUGR	Summerleaf.....
KUBN	Robin Goodfellow.....	b	KUGS	Blue Triangle.....
KUBP	City of Alma.....	b	KUGT	Jomar.....
KUBQ	Mazatlan.....	b	KUGV	Conshohocken.....
KUBR	Lake Elva.....	b	KUGX	Mason City.....
KUBS	Indiana Harbor.....	b	KUGZ	Maddequet.....
KUBT	Lake Feodora.....	b	KUH	Munwood.....
KUBV	Higo.....	b	KUI	Munamar.....
KUBX	Koggiung, Alaska (moored scow).....	c	KUJ	Mundale.....
KUBZ	Dellwood.....	b	KUJB	Angeles.....
KUC	Gulf of Mexico.....	b	KUJC	Bayport.....
KUCB	New England.....	b	KUJD	Baddacock.....
KUCC	Plow City.....	b	KUJF	Kerhonkson.....
KUCD	Riverside Bridge.....	b	KUJG	Kamchatka.....
KUCF	Virginia Bridge.....	b	KUJK	Havilah.....
KUCG	Des Moines Bridge.....	b	KUJL	Ozmo.....
KUCJ	Holyoke Bridge.....	b	KUJM	Coot.....
KUCK	Wauwatosa.....	b	KUJN	Osprey.....
KUCL	Salinas.....	b	KUJP	Hutchinson.....
KUCM	Lake Ikatian.....	b	KUJQ	Ethan Allen.....
KUCN	Eastern Guide.....	b	KUJR	City of Joliet.....
KUCP	Chisik Island, Alaska.....	c	KUJS	Winston-Salem.....
KUCQ	City of Alameda.....	b	KUJT	Eastern Belle.....
KUCR	Lake Giddings.....	b	KUJV	Eastern Crag.....
KUCS	City of Sherman.....	b	KUJX	Liberty Bell.....
KUCV	City of Flint.....	b	KUJZ	Quabbin.....
KUCX	Coldwater.....	b	KUK	Munsomo.....
KUCZ	Lake Fillmore.....	b	KUKB	Aragon.....
KUD	Gulfand.....	b	KUKC	Schuylkill Bridge.....
KUDB	Brant.....	b	KUKD	East Chicago.....
KUDC	Tuscan.....	b	KUKF	Fort Armstrong.....
KUDD	Argon.....	b	KUKG	Anthracite Bridge.....
KUDF	Heron.....	b	KUKJ	West Jappa.....
KUDG	West Jester.....	b	KUKK	Noddle Island.....
KUDJ	Mehanno.....	b	KUKL	Pittsburgh Bridge.....
KUDK	West Cadron.....	b	KUKM	Tancarville.....
KUDL	Cajacet.....	b	KUKN	Louise.....
KUDM	Lake Elwin.....	b	KUKP	Mohinkis.....
KUDN	American Press.....	b	KUKQ	Selma.....
KUDP	Clontarf.....	b	KUKR	Latham.....
KUDQ	West Himrod.....	b	KUKS	Eastern Merchant.....
KUDR	Davenport.....	b	KUKT	Conejos.....
KUDS	Lake Rushville.....	b	KUKV	West Hixton.....
KUDT	Pilot Point, Alaska.....	c	KUKX	Collingsworth.....
KUDV	Becharof, Alaska.....	c	KUL	Louisiana.....
KUDX	Eastern Moon.....	b	KULB	Pinellas.....
KUDZ	Eastern Gale.....	b	KULC	Chickamauga.....
KUE	Gulfcoast.....	b	KULD	Lake Geyser.....
KUF	Mundelta.....	b	KULF	Fishkill.....
KUFB	Eastern Knight.....	b	KULG	Darien.....
KUFC	Lake Floravista.....	b	KULJ	Eastern Pilot.....
KUFD	Lake Florian.....	b	KULK	Eastern Trader.....
KUFF	Lake Floris.....	b	KULL	Donald McKay.....
KUFG	Lake Flounroy.....	b	KULM	Ario.....
KUFG	West Nilus.....	b	KULN	Arizpa.....
KUFR	Great Falls.....	b	KULP	Toopi.....
KUFL	Cartona.....	b	KULQ	Pylos.....
KUFM	Corone.....	b	KULR	Vallonia.....
KUFN	Steel Voyager.....	b	KULS	Outgamie.....
KUFP	Bethlehem S. B. Corp. (special call).....	b	KULT	Commack.....
KUFP	Tern.....	b	KULV	San Juan.....
KUFR	West Campgaw.....	b	KULX	Otho.....
KUFS	Snipe.....	b	KULZ	Lyndonia.....
KUFT	Plover.....	b	KUM	Texas.....
KUFX	Sheldrake.....	b	KUMB	Lake Ganado.....
KUFZ	Ossa.....	b	KUMC	Utacarbon.....
KUG	Munplace.....	b	KUMD	Staten Island.....
KUGB	Eastern Mariner.....	b	KUMF	Dunsyre.....
KUGC	Boobyalla.....	b	KUMG	Homer.....
KUGD	Clearwater.....	b	KUMJ	Grebe.....
KUGF	Boynton.....	b	KUMK	Freeport Sulphur No. 5.....
KUGG	Clemence C. Morse.....	b	KUML	Oklahoma City.....
KUGJ	Loon.....	b	KUMM	West Calera.....
KUGK	Sioux City.....	b	KUMN	Portola Plumas.....

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**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.**

Call signal.	Station.	Call signal.	Station.	
KUMQ	Comerant.....	b	KURV	Ohonkara.....
KUMR	Colthrops.....	b	KURX	Eastern Coast.....
KUMS	Atlantic Sun.....	b	KURZ	Suboatco.....
KUMT	Solitaire.....	b	KUS	Florida.....
KUMV	Lake Glaucus.....	b	KUSB	Suedco.....
KUMX	Lake Flag.....	b	KUSC	Sunelsco.....
KUMZ	Lake Hector.....	b	KUSD	Huron.....
KUN	Neptune.....	b	KUSF	Capital of Nebraska.....
KUNB	Lake Harmina.....	b	KUSG	West Nomentum.....
KUNC	Lake Gunni.....	b	KUSJ	Occidental.....
KUND	Eastern Glade.....	b	KUSK	City of Reno.....
KUNF	Eastern Ocean.....	b	KUSL	Pioneer.....
KUNG	Union Liberty.....	b	KUSM	John F. Hylan.....
KUNJ	Evergreen City.....	b	KUSN	Aquarius.....
KUNK	Neshobe.....	b	KUSP	Crown City.....
KUNL	Oronoke.....	b	KUSQ	Eastern Cloud.....
KUNM	Wheeling Mold.....	b	KUSR	Nemaha.....
KUNN	Jennie R. Morse.....	b	KUSS	William A. Whitney.....
KUNP	Freeport Sulphur No. 6.....	b	KUST	West Camak.....
KUNQ	Eastern Crown.....	b	KUSV	Mattolle.....
KURN	Eastern Victor.....	b	KUSX	Baccarat.....
KUNS	City of Vernon.....	b	KUSZ	Adria.....
KUNT	George B. MacKenzie.....	b	KUT	Pan-American.....
KUNV	Winona.....	b	KUTB	Haxtum.....
KUNX	Rochelle.....	b	KUTC	West Mahwah.....
KUNZ	Chickasaw City.....	b	KUTD	Anna E. Morse.....
KUO	Northwestern.....	b	KUTF	Eastern Maid.....
KUP	Pennsylvania.....	b	KUTG	Delrosa.....
KUPB	Italia.....	b	KUTJ	Pallas.....
KUPC	Pinthis.....	b	KUTK	City of Lordsburg.....
KUPD	Eastern Planet.....	b	KUTL	Nanshon.....
KUPF	Hahatonka.....	b	KUTM	John P. Reiss.....
KUPG	Greenland.....	b	KUTN	Christabel.....
KUPJ	West Cahokia.....	b	KUTP	Caneo.....
KUPK	Darden.....	b	KUTQ	Iroquois.....
KUPL	Conness Peak.....	b	KUTR	Springfield.....
KUPM	Patrick Henry.....	b	KUTS	Vacuum.....
KUPN	Capillo.....	b	KUTT	Birmingham City.....
KUPP	Cubore.....	b	KUTV	Lake Furnas.....
KUPQ	Ogden, Utah.....	c	KUTX	Richeconal.....
KUPS	Naugus.....	b	KUTZ	Rochester.....
KUPT	Waterbury.....	b	KUU	Brabant.....
KUPV	Kehuku.....	b	KUV	Virginia.....
KUPX	Hawarden.....	b	KUVB	Eastern Glen.....
KUPZ	Fishers Island.....	b	KUVC	City of Weatherford.....
KUQ	Maine.....	b	KUVD	Argus.....
KUQB	Fueloil.....	b	KUVF	Sebonac.....
KUQC	Fanoil.....	b	KUVG	Eastern Tempest.....
KUQD	Crudoil.....	b	KUvj	Agron.....
KUQF	Martha Washington.....	b	KUVK	Steel Mariner.....
KUQG	Fadnsay.....	b	KUVL	Steel Trader.....
KUQJ	West Nivarria.....	b	KUVN	Domingo Nazarall.....
KUQK	West Keats.....	b	KUVP	Hastnai.....
KUQL	Pulaski.....	b	KUVR	Johnswood, Mich.....
KUQM	Las Vegas.....	b	KUVT	Jordan, Mont.....
KUQN	J. F. Penrose.....	b	KUvv	Cardonia.....
KUQP	Unicol.....	b	KUVX	Half Moon.....
KUQQ	Conehatta.....	b	KUVZ	West Norranus.....
KUQR	Everett.....	b	KUW	New York.....
KUQS	Margaret.....	b	KUX	Munalbro.....
KUQT	Eastern Dawn.....	b	KUXB	West Holbrook.....
KUQX	Juvigny.....	b	KUXC	San Pasqual.....
KUQZ	Montfaucon.....	b	KUXD	Cuyamaca.....
KUR	Georgia.....	b	KUXF	Loretta.....
KURB	Hinckley.....	b	KUXL	Tippecanoe.....
KURC	Cathwood.....	b	KUXM	Cheboygan, Mich.....
KURD	Arcturus.....	b	KUXN	Miles City, Mont.....
KURF	Chappaqua.....	b	KUXP	Dallas, Tex.....
KURG	Artigas.....	b	KUXQ	Wichita Falls, Tex.....
KURJ	W. K. Bixby.....	b	KUXR	John Jay.....
KURK	Sepulga.....	b	KUXS	Agylla.....
KURL	John R. Gibbons.....	b	KUXT	Long Beach, Calif.....
KURM	Eastern Admiral.....	b	KUXV	Avalon, Calif.....
KURN	Manatee.....	b	KUXX	Manuel Rionda.....
KURP	Salaam.....	b	KUXZ	Honnedaga.....
KURQ	Medric.....	b	KUZ	Coastwise.....
KURR	Henry Steers.....	b	KUZB	Cristina.....
KURS	E. G. Crosby.....	b	KUZC	Hahira.....
KURT	Brookline.....	b		

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KUZD	Jim Sid.....	b	KWR	Port Moller, Alaska.....
KUZF	Suholco.....	b	KWS	Lost Harbor, Alaska.....
KUZG	Sutransco.....	b	KWT	Teller, Alaska.....
KUZJ	Suelco.....	b	KWU	Katrina Luckenbach.....
KUZK	Suportco.....	b	KVW	Sacramento.....
KUZL	Anahuae.....	b	KWW	Chichagof, Alaska.....
KUZM	Quillwark.....	b	KWX	Mexico.....
KUZN	Pansa.....	b	KWY	Monterey.....
KUZP	Hayden.....	b	KWZ	Esperanza.....
KUZQ	Salina.....	b	<b>KXA</b>	Boston.....
KUZR	Capulin.....	b	KXAA	Lake Alvada.....
KUZS	Ensely City.....	b	KXAE	Lake Delancey.....
KUZT	Eastern Sailor.....	b	KXAI	Lake Galera.....
KUZV	Dungannon.....	b	KXAO	Lake Otsquago.....
KUZX	Carib.....	b	KXAU	Lake Harris.....
KUZZ	Cayo Mambi.....	b	KXB	City of Lowell.....
<b>KVA</b>	Apache.....	b	KXC	Commonwealth.....
KVAA	Lake Osweya.....	b	KXE	Mohawk.....
KVAAE	Lake Benbow.....	b	KXEA	Lake Pleasant.....
KVAI	Socony S2.....	b	KXEE	Lake Marion.....
KVAO	Socony S3.....	b	KXEI	Lake Sanford.....
KVBA	Arapahoe.....	b	KXEO	Lake Gardner.....
KVC	Comanche.....	b	KXEU	Lakeville.....
KVD	Munro.....	b	KXF	New Hampshire.....
KVE	Mumindies.....	b	KXG	Archer.....
KVEA	Bellota.....	b	KXH	Plymouth.....
KVEE	Catawba.....	b	KXI	Priscilla.....
KVEI	West Galoc.....	b	KXIE	Calaveras.....
KVEO	Kickapoo.....	b	KXII	Calicorock.....
KVEU	Baladon.....	b	KXIO	Calispell.....
KVF	Iroquois.....	b	KXIU	Lake Calistoga.....
KVG	Chestnut Hill.....	b	KXJ	Providence.....
KVH	Huron.....	b	KXK	Funter, Alaska.....
KVI	Unga Island, Alaska.....	c	KXL	City of Taunton.....
KVIA	Balliett.....	b	KXM	Mohegan.....
KVIE	West Arvada.....	b	KXN	New Haven.....
KVII	Montclair.....	b	KXO	City of Brockton.....
KVIO	Lake Pearl.....	b	KXOA	Star of Lapland.....
KVIU	Allentown.....	b	KXOE	Severance.....
KVJ	Walter D. Munson.....	b	KXOI	Standard.....
KVK	Cherokee.....	b	KXOU	Lake Lesa.....
KVL	Lenape.....	b	KXP	Pequonnock.....
KVM	Mohawk.....	b	KXQ	Chester W. Chapin.....
KVN	Tanamo.....	b	KXR	Richard Peck.....
KVO	Sagua.....	b	KXS	Boston.....
KVOE	Lake Garza.....	b	KXT	Fairmont.....
KVOI	Lake Gaspar.....	b	KXU	Westfield.....
KVOO	Lake Yelverton.....	b	KXUA	Lake Geneva.....
KVOU	Lake Gakoma.....	b	KXUE	Eastern Queen.....
KVP	Charles Braley.....	b	KXUI	Lake Lillian.....
KVR	Elinor.....	b	KXUO	Admiral Sims.....
KVS	Gulf Queen.....	b	KXUU	Coyote.....
KVT	H. C. Cadmus.....	b	KXV	Nelson Lagoon.....
KVUA	Lake Ormoc.....	b	KXW	Ikatan, Alaska.....
KVUE	Lake Akkra.....	b	KXX	Stephen R. Jones.....
KVUO	Lake Gedney.....	b	KXY	Lewis K. Thurlow.....
KVUU	Lake Hewes.....	b	KXZ	Felix Taussig.....
KVV	Koggiung, Alaska.....	c	<b>KYA</b>	Kanawha.....
KVX	Allagash.....	b	KYB	North Wind.....
KVY	William Isom.....	b	KYC	Corsair.....
KVZ	Relay.....	b	KYD	Mount Baker.....
<b>KWA</b>	Mt. Vernon Bridge.....	b	KYE	Casiana.....
KWB	Fort Pitt Bridge.....	b	KYF	McClellan.....
KWC	Morro Castle.....	b	KYG	Wild Duck.....
KWD	Antilla.....	b	KYH	Aloha.....
KWE	Santiago.....	b	KYK	Karluk, Alaska.....
KWF	Cauto.....	b	KYL	Alitak, Alaska.....
KWG	Seguranca.....	b	KYM	Armenia.....
KWH	Port Chatham, Alaska.....	c	KYO	Noma.....
KWI	Camaguey.....	b	KYP	Oneida.....
KWJ	Yucca.....	b	KYQ	California.....
KWK	W. B. Keene.....	b	KYR	Karina.....
KWL	Yadkin.....	b	KYS	Yosemite.....
KWM	Pantao.....	b	KYT	Redondo.....
KWN	Guantanamo.....	b	KYU	Mohawk.....
KWO	Port Beauclaire, Alaska.....	c	KYV	Ascutney.....
KWP	Sunoil.....	b	KYX	Wana.....
KWQ	Saltechuck, Alaska.....	c	KYY	Apache.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.	
KYZ	Mystery.....	b	WBD	Santa Cruz.....
KZA	Alberta.....	b	WBE	Cacique.....
KZAA	Middlebury.....	b	WBEA	Adway.....
KZAE	Lake Linden.....	b	WBEE	Afakley.....
KZAI	Lake Winthrop.....	b	WBET	Airlie.....
KZAO	Lake Wilson.....	b	WBEO	Ashburn.....
KZAU	Lake Yahara.....	b	WBF	Boston, Mass.....
KZB	Alicia.....	b	WBG	Venezuela.....
KZC	Aztec.....	b	WBH	Colombia.....
KZD	Cornelia.....	b	WBIA	Chipehung.....
KZE	Zenith.....	b	WBII	Alpac.....
KZEA	Keketticut.....	b	WBIO	Baxley.....
KZEE	Lake Berdan.....	b	WBIU	Pascagoula.....
KZEI	Lake Dymer.....	b	WBJ	Santa Barbara.....
KZEO	Lake Dancey.....	b	WBK	Saucon.....
KZEU	Lake Agomak.....	b	WBM	Redondo.....
KZF	Edith.....	b	WBN	Ecuador.....
KZG	Carolyn.....	b	WBO	Santa Rosa.....
KZH	Helen.....	b	WBOA	Mono.....
KZIA	Lake Aurice.....	b	WBOU	Nashotah.....
KZIE	Lake Winooski.....	b	WPB	Hermosa.....
KZII	Lake Belnona.....	b	WBQ	Santa Paula.....
KZIO	Lake Liliusun.....	b	WBR	Santa Rita.....
KZIU	Sagaparack.....	b	WBUA	Lake Gravity.....
KJZ	Jean.....	b	WBUE	Lake Greenbrier.....
KZK	Hilton.....	b	WBUI	Lake Gretna.....
KZL	Halcyon.....	b	WBUO	Lake Grogan.....
KZO	Margaret.....	b	WBUU	Lake Forney.....
KZOA	Lake Medford.....	b	WBV	Cabrillo.....
KZOE	Lake Arline.....	b	WBW	Burrwood, La.....
KZOI	Lake Helen.....	b	WBX	Santa Ana.....
KZOO	Lake Indian.....	b	WBZ	Santa Elena.....
KZOU	Lake Orange.....	b	WCA	Tionesta.....
KZP	Evelyn.....	b	WCAA	Bobring.....
KZQ	Ruth.....	b	WCAE	Bottineau.....
KZR	Remlik.....	b	WCAI	Boughton.....
KZS	Santanta.....	b	WCAO	Caponka.....
KZT	Everett.....	b	WCAU	Chelan.....
KZU	United States.....	b	WCB	Juniata.....
KZUA	Katja.....	b	WCD	Octorara.....
KZUE	Kosciuszko.....	b	WCE	Parthian.....
KZUI	Oneco.....	b	WCEA	Cotteral.....
KZUO	Lone Star.....	b	WCEE	Kuwa.....
KZUU	Lake Louise.....	b	WCEI	Maratanza.....
KZV	Malden.....	b	WCEO	Mattapan.....
KZW	Melrose.....	b	WCF	Favorite.....
KZX	Newton.....	b	WCG	Brooklyn, N. Y.....
KZY	Arlington.....	b	WCI	Newport, R. I.....
KZZ	Brandon.....	b	WCIA	Bellingham.....
WAA	Alameda.....	b	WCIE	Eastport.....
WAB	Saugerties.....	b	WCII	Invincible.....
WAC	Chicago.....	b	WCIO	Lake Lemando.....
WAD	Victoria.....	b	WCIU	Naifa.....
WAE	Ketchikan.....	b	WCJ	Anyox.....
WAF	Admiral Farragut.....	b	WCL	Westchester.....
WAG	Admiral Sebree.....	b	WCO	Wyanotte.....
WAH	Dora.....	b	WCOA	Battahatchee.....
WAI	Latouche.....	b	WCOE	Socony 84.....
WAJ	Jefferson.....	b	WCOI	Socony 92.....
WAK	Valdez.....	b	WCOO	Liberty.....
WAL	Santa Ana.....	b	WCOU	Lake Kyttle.....
WAM	Juneau.....	b	WCP	Casco.....
WAN	Northwestern.....	b	WCQ	Roy Hooper.....
WAO	Rajah.....	b	WCR	The Harvester.....
WAP	Lake Crescent.....	b	WCS	Alpena.....
WAQ	Democracy.....	b	WCT	Theodore Roosevelt.....
WAR	Cordova.....	b	WCU	Conneaut.....
WAS	Chester Sun.....	b	WCUA	Lake Forsby.....
WAT	Skagway.....	b	WCUE	Lake Fossil.....
WAU	Point Loma.....	b	WCUI	Lake Frampton.....
WAV	Philippines.....	b	WCUO	Lake Franconia.....
WAU	Admiral Watson.....	b	WCUU	Lake Fray.....
WAY	Admiral Dewey.....	b	WCV	The Limit.....
WAZ	Admiral Schley.....	b	WCW	Woonsocket.....
WBA	Santa Clara.....	b	WCX	Cleveland, Ohio.....
WBAA	Snug Harbor.....	b	WCZ	Illinois.....
WBAI	Heffron.....	b	WDA	Pere Marquette.....
WBAU	Addison.....	b	WDAA	Munra.....
WBB	Santa Cecilia.....	b	WDAE	Musketo.....

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
WDAI	Wakan.	b	WFF	Franklin.
WDAO	Herman Winter.	b	WFG	Arizona.
WDAU	Wanzu.	b	WFH	Avalon.
WDB	Pere Marquette 19	b	WFIA	Western Hope.
WDC	Pere Marquette 17	b	WFII	Major Wheeler.
WDD	Pere Marquette 18	b	WFIO	Bloomington.
WDE	Pere Marquette 20	b	WFJ	Christopher Columbus.
WDEA	Wihaha.	b	WFL	Lake Arthur.
WDEE	Andra.	b	WFN	Lake Butler.
WDEI	Crawl Keys.	b	WFOA	Hickman.
WDEO	Steadfast.	b	WFOE	Lewis Luckenbach.
WDEU	Bayamo.	b	WFOI	Osakis.
WDF	Astmahco IV.	b	WFOO	William N. Page.
WDG	Otsego.	b	WFOU	Phoenix Bridge.
WDH	Petoskey.	b	WFP	City of Erie.
WDI	City of Miami.	b	WFQ	City of Buffalo.
WDIA	South Pole.	b	WFR	State of Ohio.
WDIE	Watheña.	b	WFS	Seeandbee.
WDII	Watowwan.	b	WFT	Charles O. Jenkins.
WDIO	Westmead.	b	WFU	F. B. Squire.
WDIU	West View.	b	WFUA	Lake Freezeout.
WDL	Lakeland.	b	WFUE	Lake Frenchton.
WDN	Ann Arbor No. 3.	b	WFUI	A. E. R. Schneider.
WDO	Ann Arbor No. 4.	b	WFUU	Oshkosh.
WDOA	Agwidale.	b	WFV	Sir Thomas Shaughnessy.
WDOE	Auburn.	b	WFW	Manitou.
WDOI	Cape May.	b	WFX	Missouri.
WDOO	Federal.	b	WFZ	Coronado.
WDOU	Fort Wayne.	b	<b>WGA</b>	City of Seattle.
WDP	Ann Arbor No. 5.	b	WGAA	Englewood.
WDQ	Ann Arbor No. 6.	b	WGAE	Galesburg.
WDR	Detroit, Mich.	c	WGAI	Morristown.
WDS	City of Grand Rapids.	b	WGAO	W. S. Rheem.
WDU	Puritan.	b	WGAU	La Forge.
WDUA	Lake Frazee.	b	WGB	Astmahco III.
WDUE	Redlands.	b	WGC	W. F. White.
WDUI	Lake Freeborn.	b	WGD	Oregon.
WDUO	Lake Freed.	b	WGE	Spokane.
WDUU	Lake Freeland.	b	WGEA	Easterner.
WDV	City of Benton Harbor.	b	WGEE	Alvada.
wdx	Lake Tulare.	b	WGEI	East Indian.
WDZ	Aramis.	b	WGEU	Seypen.
<b>WEA</b>	City of Cleveland III.	b	WGG	Tuckerton, N. J.
WEB	City of Mackinac II.	b	WGIA	West Gramma.
WEC	City of Detroit II.	b	WGIE	Nantahala.
WED	Western States.	b	WGII	Burnside.
WEE	Eastern States.	b	WGIO	Saris.
WEF	City of Detroit III.	b	WGJ	Northland.
WEG	City of St. Ignace.	b	WGK	Curacao.
WEH	City of Alpena II.	b	WGL	Dreadnaught.
WEI	E. J. Earling.	b	WGM	Undaunted.
WEJ	Samuel Mitchell.	b	WGN	Carl D. Bradley.
WEK	Minnesota.	b	WGO	Chicago, Ill.
WEL	C. A. Smith.	b	WGOE	Polar Bear.
WEM	Susquehanna.	b	WGOI	Saccarappa.
WEN	North American.	b	WGOO	Waubesa.
WEQ	South American.	b	WGOU	West Cressy.
WER	Western King.	b	WGP	President.
WES	Montrolite.	b	WGQ	City of Puebla.
WET	Puget Sound.	b	WGR	Governor.
WEU	Point Adams.	b	WGS	Senator.
WEW	West Gotomiska.	b	WGT	Western Pride.
WEX	Western Star.	b	WGUA	Oskawa.
WEZ	Marquette & Bessemer No. 1.	b	WGUE	Itanca.
<b>WFA</b>	Marquette & Bessemer No. 2.	b	WGUI	Brandywine.
WFAA	Ashtabula.	b	WGOU	Kusdeca.
WFAE	Georgia.	b	WGUU	Wayhut.
WFAE	Namecki.	b	WGW	Kerowlee.
WFAI	West Galeta.	b	WGX	Queen.
WFAO	West Hobomac.	b	WGY	City of Topeka.
WFAU	Volunteer.	b	WGZ	Guardian.
WFB	Mahaska.	b	<b>WHB</b>	New York, N. Y.
WFC	Alabama.	b	WHC	Columbia.
WFE	Indiana.	b	WHE	Philadelphia, Pa.
WFEA	Carolina.	b	WHF	Callao.
WFFEE	Eastern King.	b	WHG	W. F. Burrows.
WFEI	Winding Gulf.	b	WHH	Mount Shasta.
WFEQ	West Hosokie.	b	WHI	New York, N. Y.
WFEU	Westport.	b	WIJ	Sierra.
	Matanzas.	b	WHL	Ventura.

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.		
WHM	Sonoma.....	b	WKE	Kentuckian.....	b
WHP	Point Arena.....	b	WKEA	Lake Deval.....	b
WHR	Abner Coburn.....	b	WKEE	Lake Cahoon.....	b
WHS	Stanley Dollar.....	b	WKEI	Lake Ypsilanti.....	b
WHT	Whittier.....	b	WKEO	Goodspeed.....	b
WHU	Balboa.....	b	WKF	American.....	b
WHV	Velero.....	b	WKG	S. M. Spalding.....	b
WHX	Humboldt.....	b	WKH	Hollywood.....	b
WHZ	Johanna Smith.....	b	WKIA	Fish Hawk.....	b
WIA	Silver Shell.....	b	WKIE	Bonham.....	b
WIB	Gold Shell.....	b	WKII	Eastern Light.....	b
WIC	Pearl Shell.....	b	WKIO	Eastern Shore.....	b
WID	Charles E. Harwood.....	b	WKIU	Eastern Cross.....	b
WIE	Herbert G. Wylie.....	b	WKJ	Iowan.....	b
WIF	Edward L. Doheny.....	b	WKK	Isaac L. Rice.....	b
WIG	Norman Bridge.....	b	WKL	Mexican.....	b
WIH	C. A. Canfield.....	b	WKM	Minnesotan.....	b
WII	(New Brunswick, N. J. (transmitting).)	c	WKO	Oregonian.....	b
WIJ	Belmar, N. J. (receiving).)	c	WKOA	Zaca.....	b
WIK	Edward L. Doheny, Junior.....	b	WKOE	Falmouth.....	b
WIN	Providencia.....	b	WKOI	Cumberland.....	b
WIQ	Colusa.....	b	WKOO	Connerville.....	b
WIS	Frederick R. Kellogg.....	b	WKOU	Central American.....	b
WIT	E. R. Sterling.....	b	WKP	Pennsylvania.....	b
WIU	George G. Henry.....	b	WKQ	Ohioan.....	b
WIV	Restorer.....	b	WKR	Panaman.....	b
WIW	George E. Paddleford.....	b	WKS	West Arrow.....	b
WIX	J. M. Danziger.....	b	WKT	Texan.....	b
WIY	Harold Walker.....	b	WKU	Hawaiian.....	b
WJA	William Green.....	b	WKUI	Western Belle.....	b
WJAA	Andalusia.....	b	WKUO	Balino.....	b
WJAE	Sangamon.....	b	WKUU	West Zeda.....	b
WJAI	Hokah.....	b	WKV	Virginian.....	b
WJAO	Yuma.....	b	WKW	Absaroka.....	b
WJAU	M. J. Scanlon.....	b	WKX	Westward Ho.....	b
WJB	Aurora.....	b	WKY	Montoso.....	b
WJC	Kermoor.....	b	WKZ	Canoga.....	b
WJEA	Keresan.....	b	WLA	Benj. F. Packard.....	b
WJEE	Mojave.....	b	WLAA	Sarcoxie.....	b
WJEI	Red Cloud.....	b	WLAE	Barlow.....	b
WJEQ	Plainfield.....	b	WLAI	Lake Grandon.....	b
WJEU	Phoenix.....	b	WLAL	Lake Fluvanna.....	b
WJF	Panga.....	b	WLB	Jamaica.....	b
WJG	Teresa.....	b	WLC	New London, Conn.....	c
WJH	Moccasin.....	b	WLE	Maitland No. 1.....	b
WJIA	Krakow.....	b	WLEA	Lake Farge.....	b
WJIE	West Zucker.....	b	WLEE	Lake Faristell.....	b
WJII	Guimba.....	b	WLEI	Lake Forkville.....	b
WJIO	Oskaloosa.....	b	WLEO	Lake Gathcocon.....	b
WJIU	Independence.....	b	WLEU	Lake Fugard.....	b
WJJ	Schenectady.....	b	WLF	Coosa.....	b
WJL	Florida.....	b	WLG	Wacouta.....	b
WJM	Wachusett.....	b	WLH	Fort Bragg.....	b
WJN	J. C. Donnell.....	b	WLI	Westbrook.....	b
WJO	Munaires.....	b	WLIA	Santa Teresa.....	b
WJOA	Nyanza.....	b	WLII	Goree.....	b
WJOE	West Elcasco.....	b	WLIO	Nantasket.....	b
WJOI	West Eldara.....	b	WLIIU	Bologan.....	b
WJOO	West Loquassuck.....	b	WLJ	Monticello.....	b
WJOU	West Madaket.....	b	WLL	Greenwood.....	b
WJP	West Kyska.....	b	WLM	Warszawa.....	b
WJQ	Tunica.....	b	WLN	Black Arrow.....	b
WJR	Western Front.....	b	WLO	Orion.....	b
WJS	W. M. Tupper.....	b	WLOA	Neolah.....	b
WJU	Amphion.....	b	WLOE	Nupolela.....	b
WJUA	Osage.....	b	WLOI	Columbine.....	b
WJUI	Fort Pierce.....	b	WLOO	Cadarella.....	b
WJUO	Cohasset.....	b	WLOU	Barkhamstead.....	b
WJUU	Magunkook.....	b	WLQ	Sabine Sun.....	b
WJV	Bulana.....	b	WLR	Floridian.....	b
WJW	Guaro.....	b	WLS	Princess Matoika.....	b
WKA	Wyandotte.....	b	WLT	Neuse.....	b
WKAE	Alaskan.....	b	WLU	Pawnee.....	b
WJUI	Socony 85.....	b	WLUA	Latoka.....	b
WKAJ	Lake Zaliski.....	b	WLUE	Haverhill.....	b
WKAO	Lake Pickaway.....	b	WLUI	Alamosa.....	b
WKAU	Lake Copley.....	b	WLLO	Alcona.....	b
WKB	Arizona.....	b	WLUU	Ingold.....	b
WKD	Dakotan.....	b	WLW	Ida.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.		
WLX	Pequot.....	b	WNUE	Blakeley.....	b
WLY	Pozman.....	b	WNUI	Bockonoff.....	b
WLZ	Montpelier.....	b	WNNU	Brookdale.....	b
<b>WMA</b>	Multnomah.....	b	<b>WNV</b>	Hatteras.....	b
WMAA	Lake Furley.....	b	WNW	San Ramon.....	b
WMAE	Cowanshannock.....	b	WNX	Peter Reiss.....	b
WMAI	Cowboy.....	b	WNY	New York, N. Y.....	c
WMAO	Cowee.....	b	WNZ	F. J. Luckenbach.....	b
WMD	West Shore.....	b	<b>WOA</b>	Admiral Rodman.....	b
WMEA	Costilla.....	b	WOC	Oregon.....	b
WMEC	Cote Blanche.....	b	WOF	Horace X. Baxter.....	b
WMEI	Cotopaxi.....	b	WOG	Fred Baxter.....	b
WMEO	Cottonplant.....	b	WOJ	Iris.....	b
WMEU	Cottonwood.....	b	WOL	Los Angeles.....	b
WMF	Celilo.....	b	WOM	William A. McKenney.....	b
WMG	Wapama.....	b	WON	La Brea.....	b
WMI	Minnesota.....	b	WOO	Idaho.....	b
WMIA	Coconino.....	b	WOP	Lake Elizabeth.....	b
WMII	Kanabec.....	b	WOT	Coalinga.....	b
WMIO	Stadacona.....	b	WOU	Oregon.....	b
WMIU	Sir Trevor Dawson.....	b	WOV	Venetia.....	b
WMJ	Ernest H. Meyer.....	b	WOW	Henry J. Biddle.....	b
WMK	Hyades.....	b	WOX	Levi G. Burgess.....	b
WML	Lurline.....	b	WOY	Queen II.....	b
WMM	Freeman.....	b	<b>WPA</b>	Balsto.....	b
WMN	Enterprise.....	b	WPAE	Sag Harbor.....	b
WMO	Wilhelmina.....	b	WPAI	Yomachichi.....	b
WMOA	Tillamook.....	b	WPAO	Wilscox.....	b
WMOE	Arvonia.....	b	WPB	Northbend.....	b
WMOI	Braeburn.....	b	WPC	Tvee.....	b
WMOO	Owatama.....	b	WPE	Tatoosh.....	b
WMOU	Klamath.....	b	WPH	S. M. Fischer.....	b
WMP	Matsonia.....	b	WPIE	Corrales.....	b
WMQ	Manoa.....	b	WPII	Corsicana.....	b
WMR	Maui.....	b	WPIO	Lake Fostoria.....	b
WMS	Wahkenna.....	b	WPIU	Lake Fouche.....	b
WMT	Point Bonita.....	b	WPX	Oneonta.....	b
WMUA	Wheaton.....	b	WPJ	Kerkenna.....	b
WMUE	Cokato.....	b	WPK	Florence Olson.....	b
WMUI	Charlot.....	b	WPL	Seafarer.....	b
WMUO	Panola.....	b	WPN	Pioneer.....	b
WMUU	Aiken.....	b	WPOE	Chibabos.....	b
WMV	Kermifit.....	b	WPOI	Dungeness.....	b
WMY	A. M. Byers.....	b	WPOO	Washtenaw.....	b
WMZ	Honolulu.....	b	WPOU	Charles M. Everest.....	b
<b>WNAA</b>	Craincreek.....	b	WPQ	Zapora.....	b
WNAE	Cranenest.....	b	WPR	Ensenada, Porto Rico.....	c
WNAI	Craycroft.....	b	WPS	Starr.....	b
WNAO	Lake Callieoon.....	b	WPUE	Caddopeak.....	b
WNAU	Lake Fresco.....	b	WPUI	Callabass.....	b
WNB	El Capitan.....	b	WPUO	Cascade.....	b
WNC	Wabash.....	b	WPUU	Coaxet.....	b
WND	Windber.....	b	WPV	H. M. Whitney.....	b
WNE	Nushagak.....	b	WPW	James S. Whitney.....	b
WNEA	Lake Charlottesville.....	b	WPY	Wallula.....	b
WNEO	Dio.....	b	<b>WQA</b>	Harvey H. Brown.....	b
WNEU	Coweta.....	b	WQAJ	Inco No. 1.....	b
WNF	Hattie Luckenbach.....	b	WQAO	Agria.....	b
WNG	Otto M. Reiss.....	b	WQAU	Coulter.....	b
WNH	Clemens A. Reiss.....	b	WQD	Hoosac.....	b
WNI	William A. Reiss.....	b	WQE	Hisko.....	b
WNLA	Cruso.....	b	WQEA	Lithopolis.....	b
WNIE	Agawam.....	b	WQEE	Everglades.....	b
WNII	Challenger.....	b	WQEI	Rebecca Palmer.....	b
WNIO	Python.....	b	WQEQ	West Zulu.....	b
WNIIU	Cornucopia.....	b	WQEU	Canibas.....	b
WNK	Richard J. Reiss.....	b	WQF	Harry W. Croft.....	b
WNL	Lake St. Clair.....	b	WQG	Fayette Brown.....	b
WNM	Florence Luckenbach.....	b	WQH	M. A. Bradley.....	b
WNOA	Allanhurst.....	b	WQI	Costa Rica.....	b
WNNO	Fort Riley.....	b	WQIA	Mexoil.....	b
WNOI	Fort Harrison.....	b	WQIE	Bedminster.....	b
WNNOO	Fort Snelling.....	b	WQII	Holbrook.....	b
WNOU	Fort Russel.....	b	WQIO	Neponset.....	b
WNP	Pleadies.....	b	WQIU	Swanscott.....	b
WNQ	Wilhelm Jebsen.....	b	WQJ	Sarah Weems.....	b
WNR	Rush.....	b	WQK	Oran.....	b
WNS	Kvichak.....	b	WQOA	Tipton.....	b
WNU	New Orleans, La.....	b	WQOE	Garfield.....	b
WNUA	Anthera.....	b	WQOI	Tolo.....	b

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**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—**  
**Continued.**

Call signal.	Station.	Call signal.	Station.	
WQOO	Folsom.....	b	WSOU	Lewiston.....
WQOU	Bugaya.....	b	WSP	Westhampton.....
WQQ	Rappahannock.....	b	WSQ	Vizcaya.....
WQR	Nansemond.....	b	WSR	Reuce.....
WQS	Artemis.....	b	WSS	St. Nicholas.....
WQT	Watanga.....	b	WSU	Republic.....
WQU	Cuba.....	b	WSUA	West Helix.....
WQUA	Cokesit.....	b	WSUE	West Wauna.....
WQUE	Edgecombe.....	b	WSUI	West Wauneke.....
WQUI	Flavel.....	b	WSUU	Lake Gradan.....
WQUO	Icomium.....	b	WSW	Willamette.....
WQUU	Jacona.....	b	WSX	Klamath.....
WQW	Jeanette Skinner	b	WSZ	Bremerton.....
WQY	Yosemite.....	b	WTAA	James Timpson.....
WQZ	West Eagle.....	b	WTAA	Lake Beacon.....
<b>WRA</b>	O. A. Hermanson.....	b	WTAE	Lake Desha.....
WRAA	Basan.....	b	WTAI	Lake Mattato.....
WRAE	Alabama.....	b	WTAO	Lake Licoco.....
WRAI	Allegheny.....	b	WTAU	Campanello.....
WRB	Berlin.....	b	WTB	Argyll.....
WRC	Silverado.....	b	WTC	Lansing.....
WRD	D. G. Scofield.....	b	WTD	Oleum.....
WRE	J. A. Moffett.....	b	WTE	Tamesi.....
WREA	West Lashaway.....	b	WTEA	Canaveral.....
WREE	Waconda.....	b	WTEE	Cedar Spring.....
WREI	Quistconck.....	b	WTEI	Ceralvo.....
WREO	Zirkel.....	b	WTEO	Cerosco.....
WREU	Governor John Lind.....	b	WTEU	Coperas.....
WRF	Amelia.....	b	WTF	Westwood.....
WRG	Annetta.....	b	WTG	Santa Rita.....
WRI	Paraiso.....	b	WTH	Westlake.....
WRIA	Aowa.....	b	WTIA	Fernandina.....
WRIE	Lake Gorin.....	b	WTII	Socony 90.....
WRII	Roman.....	b	WTIO	Socony 94.....
WARIO	Star I.....	b	WTIU	Deerfield.....
WRIU	Quinneseoco.....	b	WTJ	Sutherland.....
WRJ	Admiral Goodrich.....	b	WTL	Lyman Stewart.....
WRN	Siboney.....	b	WTM	W. S. Porter.....
WRO	Middlesex.....	b	WTN	Wm. F. Herrin.....
WROA	Westpool.....	b	WTO	Frank H. Buck.....
WROE	Indianapolis.....	b	WTOA	Allison.....
WROI	Lydia.....	b	WTOE	Amoron.....
WROO	E. L. Doheny, Third.....	b	WTOI	Belair.....
WROU	Belgrade.....	b	WTOO	Toiler.....
WRQ	Margaret.....	b	WTOU	Coulee.....
WRS	Suffolk.....	b	WTQ	El Seundo.....
WRUA	Kangi.....	b	WTR	Richmond.....
WRUE	Medford.....	b	WTS	Col. E. L. Drake.....
WRUI	Okiya.....	b	WTT	Atlas.....
WRUO	Quititacas.....	b	WTU	S. O. Co. No. 91.....
WRUU	Wakiki.....	b	WTUE	Laurel.....
WRV	Alliance.....	b	WTUI	Calvert.....
WRX	Ozama.....	b	WTUO	Houma.....
WRZ	Rainier.....	b	WTUU	West Mahomet.....
<b>WSAA</b>	Dancey.....	b	WTUV	Captain A. F. Lucas.....
WSAE	Apalachee.....	b	WTW	Ossineke.....
WSAO	Alabat.....	b	WTX	Asuncion.....
WSAU	Bagoso.....	b	WTY	S. O. Co. No. 93.....
WSD	Redwood.....	b	WTZ	S. O. Co. No. 95.....
WSE	New York, N. Y.....	c	<b>WVAA</b>	Coquina.....
WSEA	Defiance.....	b	WVAE	Corapeak.....
WSEE	W. L. Steed.....	b	WVAI	Corcoran.....
WSEI	Cricket.....	b	WVAO	Connotton.....
WSEO	Lake Fondulac.....	b	WVAU	Contoocook.....
WSEU	Lake Buckeye.....	b	WVEA	Congaree.....
WSF	Admiral Wainwright.....	b	WVEE	Alanthus.....
WSG	Norwood.....	b	WVEI	Basco.....
WSI	Santa Inez.....	b	WVEO	Banago.....
WSIA	Caribou.....	b	WVEU	Isanti.....
WSIE	Harish.....	b	WVIA	Lake Gormania.....
WSII	Casmalia.....	b	WVIE	Yamhill.....
WSJ	Santa Alicia.....	b	WVII	Buhisan.....
WSM	Fair Oaks.....	b	WVIU	Lake Govan.....
WSN	Centralia.....	b	WVOA	Council Bluffs.....
WSO	{Marion, Mass. (transmitting).....	c	WVOE	Couparie.....
WSOE	(Chatham, Mass. (receiving).....	c	WVOI	Courtois.....
WSOI	Mount Rainier.....	b	WVOO	Coushatta.....
WSOO	West Sequana.....	b	WVOU	Coutolene.....
	Crathorne.....	b	WVUA	Courageous.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.	
WVUE	J. B. Stetson.....	b	WXIU	Aberdeen.....	b
WVUI	Arado.....	b	WXOA	Cowiche.....	b
WVUO	Aimwell.....	b	WXOE	Crabtree.....	b
WVUU	Kanakee.....	b	WXOI	Craigrownie.....	b
WWA	China.....	b	WXOO	Craigsmere.....	b
WWC	Western Wave.....	b	WXUA	Beaumont.....	b
WWD	Arcadia.....	b	WXUE	Boreta.....	b
WWE	Manchuria.....	b	WXUI	Hampden.....	b
WWF	City of Para.....	b	WXUO	Monmouth.....	b
WWH	Newport.....	b	WXUU	Bayou Teeche.....	b
WWK	Western Queen.....	b	<b>WZAA</b>	L. J. Drake.....	b
WWL	San Jose.....	b	WZAE	West Humhaw.....	b
WWM	San Juan.....	b	WZAI	Alapaha.....	b
WWN	Mongolia.....	b	WZAO	Botsford.....	b
WWP	Ausable.....	b	WZAU	E. C. Pope.....	b
WWR	Rose City.....	b	WZEA	Saxon.....	b
WWS	Alaska.....	b	WZEE	Maruba.....	b
WWT	Nuuaniu.....	b	WZEI	G. A. Flagg.....	b
WWZ	Mariana.....	b	WZEU	North Pines.....	b
<b>WXAA</b>	Ozaukee.....	b	WZIA	Darrah.....	b
WXAE	Yainax.....	b	WZIE	Burmont.....	b
WXAI	Cocopa.....	b	WZII	Burnham.....	b
WXAQ	Danebrog.....	b	WZIO	Admiral Mayo.....	b
WXAU	Keota.....	b	WZIU	Western Plains.....	b
WXEA	Western Scout.....	b	WZOA	Lake Graphite.....	b
WXEE	Okesa.....	b	WZOE	Lake Gratis.....	b
WXEI	Western Comet.....	b	WZOI	Lake Grattan.....	b
WXEO	West Cape.....	b	WZOQ	Lake Gravella.....	b
WXEU	Yukon.....	b	WZUA	Lake Gravett.....	b
WXIA	Victorious.....	b	WZUE	Norfolk.....	b
WXIE	Waneyanda.....	b	WZUU	Newburgh.....	b
WXII	Wenakee.....	b		Oglethorpe.....	b
WXIO	Buckhorn.....	b			

# GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes all Government land radio stations of the United States.]

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Alexandria, Va.	WXY		O	X	U. S. Army.
Alpena, Mich.	NSM	300, 600	PG	N	U. S. Navy.
Anacostia, D. C.	NSF	300, 600	O	X	Do.
Anacostia, D. C.	NOF	300, 600	O	X	Do.
Anderson (moored vessel)	WZM	600, 825	O	X	U. S. Army.
Annapolis, Md.	NSS	300, 600	PG	N	U. S. Navy.
Ashland, Ohio	NQB	300, 600	PG	N	Do.
Astoria, Oreg.	NUZ	300, 600	PG	N	Do.
Atka Island, Alaska	WJI	900	O	X	Department of Interior.
Avalon, Calif.	NZL	300, 600	PG	N	U. S. Navy.
Balboa, C. Z.	NBA	300, 600	PG	N	Do.
Baltimore, Md.	NBZ	300, 600	PG	N	Do.
Bar Harbor, Me. (Otter Cliffs)	NBD	300, 600	PG	N	Do.
Bantagas, P. I.	KUXK				Philippine Insular Government.
Beaufort, N. C.	NAN	300, 600	PG	N	U. S. Navy.
Bellefonte, Pa.	WWQ				Post Office Department.
Boston, Mass.	NAD	300, 600	PG	N	U. S. Navy.
Brooklyn, N. Y. (Navy Yard)	NAH	300, 600	PG	N	Do.
Brooks, Alaska	WUV	300, 600	PR	X	U. S. Army.
Buffalo, N. Y.	NNZ	300, 600	PG	N	U. S. Navy.
Buckroe (moored vessel)	WZL	600, 825	O	X	U. S. Army.
Calumet, Mich.	NUG	300, 600	PG	N	U. S. Navy.
Cape Cod, Mass.	NAE	300, 600	PG	N	Do.
Cape Hatteras, N. C.	NDW	300, 600	PG	N	Do.
Cape Mala, R. P.	NNT	300, 600	PG	N	Do.
Cape May, N. J.	NSD	300, 600	PG	N	Do.
Cavite, P. I.	NPO	300, 600	PG	N	Do.
Cayey, P. R.	NZR	300, 600	PG	N	Do.
Cebu, P. I.	KUXJ				Philippine Insular Government.
Charleston, S. C.	NAO	300, 600	PG	N	U. S. Navy.
Chatham, Mass.	NXA	300, 600	O	X	Do.
Chicago, Ill.	NUR	300, 600	PG	N	Do.
Chicago, Ill.	WWG				Post Office Department.
Circle City, Alaska	WVA	1280	PG	( <sup>1</sup> )	U. S. Army.
Cleveland, Ohio	NRH	300, 600	PG	N	U. S. Navy.
Cleveland, Ohio	WWO				Post Office Department.
Coasters Harbor Island, R. I.	NAF	300, 600	PG	N	U. S. Navy.
Coco Solo, C. Z.	NNL	300, 600	PG	N	Do.
College Park, Md.	WWX				Post Office Department.
Colon, C. Z.	NAX	300, 600	PG	N	U. S. Navy.
Cordova, Alaska	NPA	300, 600	PG	N	Do.
Craig, Alaska	WXO	600	PR	( <sup>1</sup> )	U. S. Army.
Cuyo, P. I.	WVX	600, 1200	PR	( <sup>2</sup> )	Philippine Insular Government.
Darien, C. Z.	NBA	300, 600	PG	N	U. S. Navy.
Davao, P. I.	WVO	600, 1200	PG	( <sup>2</sup> )	Philippine Insular Government.
Detroit, Mich.	NRQ	300, 600	PG	N	U. S. Navy.
Duluth, Minn.	NUX	300, 600	PG	N	Do.
Dutch Harbor, Alaska	NPR	300, 600	PG	N	Do.
Ecorse, Mich.	NDL	300, 600	PG	N	Do.
Eureka, Calif.	NPW	300, 600	PG	N	Do.
Fairbanks, Alaska	WVB	1500	PG	( <sup>1</sup> )	U. S. Army.
Farallon, Calif.	NPI	300, 600	PG	N	U. S. Navy.
Fire Island, N. Y.	NAH	300, 600	PG	N	Do.
Fort Adams, R. I.	WUU	Variable.	O	X	U. S. Army.
Fort Andrews, Mass.	WUA	1100	O	X	Do.
Fort Barrancas, Fla.	WZD	600, 800, 1000, 1150, 1230 3100, 6000, 7000, 8000, 10000	O	X	Do.
Fort Bliss, Tex.	WZO				Do.

<sup>1</sup> Operates from 8 a. m. to 8 p. m.

<sup>2</sup> Operates from 7 a. m. to 6 p. m.

GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by
Fort Brown, Tex.....	WUZ	1350, 1700, 2100, 2700, 3100, 4700, 6300, 7000	O	N	U. S. Army.
Fort Casey, Wash.....	WZJ	500	O	N	Do.
Fort Caswell, N. C.....	WUT	825	O	X	Do.
Fort Constitution, N. H.....	WZE	300, 400, 500, 600, 700, 800, 900, 1000	O	X	Do.
Fort Crockett, Tex.....	WUX	500, 900	O	X	Do.
Fort Dade, Fla.....	WZK	825	O	X	Do.
Fort De Russy, Hawaii.....	WZG	.....	O	X	Do.
Fort Drum, P. I.....	WVP	430	O	X	Do.
Fort Du Pont, Del.....	WZN	.....	O	X	Do.
Fort Egbert, Alaska.....	WVC	1500	PG	( <sup>1</sup> )	Do.
Fort Frank, P. I.....	WVL	.....	O	X	Do.
Fort Gibbon, Alaska.....	WVD	2000	PG	( <sup>1</sup> )	Do.
Fort Hancock, N. J.....	WUB	1200	O	X	Do.
Fort H. G Wright, N. Y.....	WUC	600	O	X	Do.
Fort Howard, Md.....	WZB	600, 825, 1200	O	X	Do.
Fort Huachuca, Ariz.....	WZP	2, 300, 2750	O	N	Do.
Fort Hughes, P. I.....	WVM	600	O	X	Do.
Fort Leavenworth, Kans.....	WUD	1800	O	X	Do.
Fort Legett, Me.....	WUE	300	O	X	Do.
Fort McIntosh, Tex.....	WUH	1350, 1665, 1975, 2275, 2550, 3050	O	N	Do.
Fort Mills, P. I.....	WVZ	600	O	X	Do.
Fort Mills, P. I.....	WVN	300, 600, 825, 1200	O	N	Do.
Fort Monroe, Va.....	WUF	400, 600, 825, 1100	O	X	Do.
Fort Monroe, Va.....	WUG	600, 825	O	X	Do.
Fort Morgan, Ala.....	WUR	600, 1200	O	X	Do.
Fort Moultrie, S. C.....	WZF	600, 825	O	X	Do.
Fort Riley, Kans.....	WUI	1200	O	X	Do.
Fort Rosencrans, Calif.....	WUS	300, 575	O	X	Do.
Fort Sam Houston, Tex.....	WUJ	3100, 4700, 6300, 7500, 9500	O	N	Do.
Fort St. Michael, Alaska.....	WVE	600, 900	PG	( <sup>1</sup> )	Do.
Fort St. Philip, La.....	WXQ	450, 600, 1100	O	X	Do.
Fort San Jacinto, Tex.....	WUY	300, 1200	O	X	Do.
Fort Screven, Ga.....	WZA	825	O	X	Do.
Fort Stevens, Oreg.....	WUK	1100	O	X	Do.
Fort Story, Va.....	WXZ	360, 525, 825, 1100	O	X	Do.
Fort Terry, N. Y.....	WUW	Variable.	O	X	Do.
Fort Totten, N. Y.....	WUL	600, 800, 1100, 1200	O	N	Do.
Fort Travis, Tex.....	WXP	600, 900	O	X	Do.
Fort Whitman, Wash.....	WZC	400, 1100	O	X	Do.
Fort William McKinley, P. I.....	WWQ	600	O	X	Do.
Fort Winfield Scott, Calif.....	WUO	1100	O	X	Do.
Fort Wint, P. I.....	WVR	1200	O	X	Do.
Fort Wood, N. Y.....	WUM	600, 800, 1000 1230	O	X	Do.
Fort Worden, Wash.....	WUN	1200	O	X	Do.
Fort Yukon, Alaska.....	WXX	600	O	( <sup>1</sup> )	Do.
Frankfort, Mich.....	NSR	300, 600	PG	N	U. S. Navy.
Galveston, Tex.....	NKB	300, 600	PG	N	Do.
Grand Haven, Mich.....	NSY	300, 600	PG	N	Do.
Great Lakes, Ill.....	NAJ	300, 600	PG	N	Do.
Guam, Guam.....	NPN	300, 600	PG	N	Do.
Guantanamo Bay, Cuba.....	NAW	300, 600	PG	N	Do.
Hampton Roads, Va.....	NAM	300, 600	PG	N	Do.
Hawaiian Point, Hawaii.....	NPM	300, 600	PG	N	Do.
Hillcrest, Calif.....	NPG	300, 600	PG	N	Do.
Holy Cross, Alaska.....	WVK	600	PG	( <sup>1</sup> )	U. S. Army.
Iditarod, Alaska.....	WXL	300, 500, 600, 1650	PR	( <sup>2</sup> )	Do.
Iloilo, P. I.....	KUVM	.....	.....	.....	Philippine Insular Government.
Indian Head, Md.....	NBG	300, 600	O	X	U. S. Navy.
Inglewood, Calif.....	NPX	300, 600	PG	N	Do.
Isabela de Basilan, P. I.....	KHI	200	.....	( <sup>3</sup> )	Philippine Insular Government.

<sup>1</sup> Operates from 8 a. m. to 8 p. m.  
<sup>2</sup> Operates from 9 a. m. to 7 p. m.<sup>3</sup> Operates from 8.20 a. m. to 4 p. m.

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## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Jacksonville, Fla.....	NFI	300, 600	PG	N	U. S. Navy.
Jolo, P. I.....	WVS	600	PG	( <sup>1</sup> )	Philippine Insular Government.
Juneau, Alaska.....	NVD	300, 600	PG	N	U. S. Navy.
Jupiter, Fla.....	NAQ	300, 600	PG	N	Do.
Kanakanak, Alaska.....	KGU	.....	O	X	Department of Interior.
Ketchikan, Alaska.....	NVH	300, 600	PG	N	U. S. Navy.
Keyport, Wash.....	NPZ	300, 600	PG	N	Do.
Key West, Fla.....	NAR	300, 600	PG	N	Do.
Kodiak, Alaska.....	NPS	300, 600	PG	N	Do.
Kotlik, Alaska.....	WVF	600, 800	PG	( <sup>2</sup> )	U. S. Army.
La Palma, R. P.....	NNW	300, 600	PG	N	U. S. Navy.
Light Vessel No. 1, Martins Industry, S. C.	NART	300, 600	PG	N	Do.
Light Vessel No. 3, Handkerchief, Mass.	NAQS	300, 600	PG	N	Do.
Light Vessel No. 5, Stone Horse Shoal, Mass.	NANT	300, 600	PG	N	Do.
Light Vessel No. 9, Hedge Fence, Mass.	NATD	300, 600	PG	N	Do.
Light Vessel No. 11, Scotland, N. Y....	NARV	300, 600	PG	N	Do.
Light Vessel No. 20, Cross Rip, Mass. (only).	NAQB	300, 600	PG	N	Do.
Light Vessel No. 23, Ram Island Reef, Conn.	NARX	300, 600	PG	N	Do.
Light Vessel No. 34, Charleston, S. C..	NAZJ	300, 600	PG	N	Do.
Light Vessel No. 39, Brenton Reef, R. I.	NASB	300, 600	PG	N	Do.
Light Vessel No. 41, Vineyard Sound, Mass.	NACX	300, 600	PG	N	Do.
Light Vessel No. 42, Hen and Chickens, Mass.	NAPP	300, 600	PG	N	Do.
Light Vessel No. 44, Northeast End, N. J.	NARS	300, 600	PG	N	Do.
Light Vessel No. 46, Tail of Horseshoe, Va.	NAZR	300, 600	PG	N	Do.
Light Vessel No. 47, Pollock Rip, Mass.	NANS	300, 600	PG	N	Do.
Light Vessel No. 48, Cornfield Point, Conn.	NASC	300, 600	PG	N	Do.
Light Vessel No. 52, Fenwick Island Shoal, Del.	NAJS	300, 600	PG	N	Do.
Light Vessel No. 54, Boston, Mass.....	NADX	300, 600	PG	N	Do.
Light Vessel No. 66, Great Round Shoals, Mass.	NABJ	300, 600	PG	N	Do.
Light Vessel No. 67, Umatilla Reef, Wash.	NACV	300, 600	PG	N	Do.
Light Vessel No. 68, Fire Island.....	NLS	300, 600	PG	N	Do.
Light Vessel No. 69, Overfalls, Del.....	NAKT	300, 600	PG	N	Do.
Light Vessel No. 70, San Francisco, Calif. (Golden Gates).	NAKS	300, 600	PG	N	Do.
Light Vessel No. 72, Diamond Shoals, N. C.	NITQ	300, 600	PG	N	Do.
Light Vessel No. 73, Pollock Rip Slue, Mass.	NAFT	300, 600	PG	N	Do.
Light Vessel No. 74, Portland, Me.....	NAMS	300, 600	PG	N	Do.
Light Vessel No. 79, Five Fathom Bank, N. J.	NADV	300, 600	PG	N	Do.
Light Vessel No. 80, Cape Lookout Shoals, N. C.	NABV	300, 600	PG	N	Do.
Light Vessel No. 81, Heald Bank, Tex.	NLP	300, 600	PG	N	Do.
Light Vessel No. 83, Blunts Reef, Calif.	NACT	300, 600	PG	N	Do.
Light Vessel No. 84, Brunswick, Ga....	NABX	300, 600	PG	N	Do.
Light Vessel No. 85, Nantucket Shoals, Mass.	NLA	300, 600	PG	N	Do.
Light Vessel No. 87, Ambrose Channel, N. Y.	NALS	300, 600	PG	N	Do.
Light Vessel No. 88, Columbia, Oreg...	NAJT	300, 600	PG	N	Do.
Light Vessel No. 91, Winter Quarter Shoals, Va.	NADT	300, 600	PG	N	Do.
Light Vessel No. 93, Swiftsure Bank, Wash.	NABT	300, 600	PG	N	Do.
Light Vessel No. 94, Frying Pan Shoals, N. C.	NLC	300, 600	PG	N	Do.
Light Vessel No. 101, Cape Charles, Va.	NAJV	300, 600	PG	N	Do.
Light Vessel No. 102, South Pass, La..	NAGT	300, 600	PG	N	Do.
Ludington, Mich.....	NTM	300, 600	PG	N	Do.
Mackinac Island, Mich.....	NUD	300, 600	PG	N	Do.
Malabang, P. I.....	WVT	600, 1200	PG	( <sup>3</sup> )	Philippine Insular Government. Do.
Malangas, P. I.....	KUXG	.....	.....	.....	.....

<sup>1</sup> Operates from 7 a. m. to 15 p. m.<sup>2</sup> Operates from 8 a. m. to 8 p. m.<sup>3</sup> Operates from 7 a. m. to 7.30 p. m.

GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Managua, Nicaragua.....	NAZ	300, 600	PG	N	U. S. Navy.
Manati, Cuba.....	NMB	300, 600	PG	N	Do.
Manila, P. I.....	WVU	600	O	X	U. S. Army.
Manistique, Mich.....	NUB	300, 600	PG	N	U. S. Navy.
Manitowoc, Wis.....	NTY	300, 600	PG	N	Do.
Mare Island, Calif. (Navy Yard).....	NPG	300, 600	PG	N	Do.
Marshfield, Oreg.....	NPF	300, 600	PG	N	Do.
McGrath, Alaska.....	WXV				U. S. Army.
Miami, Fla.....	NGE	300, 600	PG	N	U. S. Navy.
Milwaukee, Wis.....	NUK	300, 600	PG	N	Do.
Mobile, Ala.....	NGT	300, 600	PG	N	Do.
Naval Academy, Md.....	NAK	300, 600	PG	N	Do.
Navassa Island, W. I.....	NKC	300, 600	PG	N	Do.
New London, Conn.....	NRZ	300, 600	PG	N	Do.
New Orleans, La.....	NAT	300, 600	PG	N	Do.
Newport, R. I.....	NAF	300, 600	PG	N	Do.
Newark, N. J.....	WWU				Post Office Department.
New York, N. Y.....	KUVS	300, 400, 600	PR	N	Police Department, New York City.
New York, N. Y.....	NAH	300, 600	PG	N	U. S. Navy.
Nome, Alaska.....	WVG	600, 2000, 2500, 3000	PG	(1)	U. S. Army.
Norfolk, Va.....	NAM	300, 600	PG	N	U. S. Navy.
North Head, Wash.....	NPE	300, 600	PG	N	Do.
Nulato, Alaska.....	WVH	1400	PG	(1)	U. S. Army.
Olongapo, P. I.....	NPT	300, 600	PG	N	U. S. Navy.
Pearl Harbor, Hawaii.....	NPM	300, 600	PG	N	Do.
Peking, China.....	NPP	300, 600	PG	N	Do.
Pensacola, Fla.....	NAS	300, 600	PG	N	Do.
Petersburg, Alaska.....	WVI	500	PG	(1)	U. S. Army.
Philadelphia, Pa.....	NAI	300, 600	PG	N	U. S. Navy.
Point Arguello, Calif.....	NPK	300, 600	PG	N	Do.
Point Isabel, Tex.....	NAY	300, 600	PG	N	Do.
Port Arthur, Tex.....	NJY	300, 600	PG	N	Do.
Portland, Me.....	NAB	300, 600	PG	N	Do.
Port au Prince, Haiti.....	NSC	300, 600	PG	N	Do.
Port Royal, S. C.....	NAV	300, 600	PG	N	Do.
Portsmouth, N. H.....	NAC	300, 600	PG	N	Do.
Puerto Obaldia, R. P.....	NRK	300, 600	PG	N	Do.
Puerto Princesa, P. I.....	WVV	600, 1200	PG	(2)	Philippine Insular Government.
Puget Sound, Wash.....	NPC	300, 600	PG	N	U. S. Navy.
Radio, Va.....	NAA	300, 600	PG	N	Do.
Relief Light Vessel No. 2, fifth district, Baltimore.....	NUGF	300, 600	PG	N	Do.
Relief Light Vessel No. 4, first district, Boston.....	NAZV	300, 600	PG	N	Do.
Relief Light Vessel No. 16, third district, New York.....	NASK	300, 600	PG	N	Do.
Relief Light Vessel No. 49, sixth dis- trict, Baltimore.....	NESC	300, 600	PG	N	Do.
Relief Light Vessel No. 53, sixth dis- trict, South Carolina.....	NAJC	300, 600	PG	N	Do.
Relief Light Vessel No. 76, twelfth dis- trict.....	NACD	300, 600	PG	N	Do.
Relief Light Vessel No. 78, third dis- trict, New York.....	NITR	300, 600	PG	N	Do.
Relief Light Vessel No. 86, first naval district.....	NAJJ	300, 600	PG	N	Do.
Relief Light Vessel No. 90, first district, Boston.....	NITS	300, 600	PG	N	Do.
Relief Light Vessel No. 92, thirteenth district, Pacific.....	NADB	300, 600	PG	N	Do.
Rockaway Beach, N. Y.....	NAH	300, 600	PG	N	Do.
St. Augustine, Fla.....	NAP	300, 600	PG	N	Do.
St. Croix, V. I.....	NNI	300, 600	PG	N	Do.
St. George, Alaska.....	NPY	300, 600	PG	N	Do.
St. Paul, Alaska.....	NPQ	300, 600	PG	N	Do.
St. Thomas, V. I.....	NBB	300, 600	PG	N	Do.
San Diego, Calif.....	NPL	300, 600	PG	N	Do.
San Domingo City, D. R.....	NJG	300, 600	PG	N	Do.
San Francisco, Calif.....	NPG	300, 600	PG	N	Do.
San Francisco Beach, Calif.....	NPG	300, 600	PG	N	Do.
San Jose, P. I.....	WVY	600	PG	(2)	Philippine Insular Gov- ernment.
San Juan, P. R.....	NAU	300, 600	PG	N	U. S. Navy.
San Pedro, Calif.....	NPX	300, 600	PG	N	Do.

<sup>1</sup> Operates from 8 a. m. to 8 p. m.<sup>2</sup> Operates from 7 a. m. to 6 p. m.

## 76 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Savannah, Ga.....	NEV	300,600	PG	N	U. S. Navy.
Sayville, N. Y.....	NDD	300,600	PG	N	Do.
Sea Gate, N. Y.....	NAH	300,600	PG	N	Do.
Seattle, Wash.....	KPE	300,450,525, 600	PG	N	Harbor Department, City of Seattle.
Seattle, Wash.....	NVL	300,600	PG	N	U. S. Navy.
Seward, Alaska.....	NPV	300,600	PG	N	Do.
Shanghai, China.....	NPJ	300,600	PG	N	Do.
Shanghai, China.....	WZI				U. S. Army.
Siasconsett, Mass.....	NBS	300,600	PG	N	U. S. Navy.
Sitka, Alaska.....	NPB	300,600	PG	N	Do.
Tampa, Fla.....	NGL	300,600	PG	N	Do.
Tatoosh, Wash.....	NPD	300,600	PG	N	Do.
Tien-Tsin, China.....	WYX				U. S. Army.
Tongshan, China.....	WJD				Do.
Tutuila, Samoa.....	NPU	300,600	PG	N	U. S. Navy.
Virginia Beach, Va.....	NCZ	300,600	PG	N	Do.
Vladivostok, Siberia.....	NPH	300,600	PG	N	Do.
Washington, D. C. (Navy Department).....	NAA	300,600	PG	N	Do.
Washington, D. C. (Arlington).....	NAA	300,600	PG	N	Do.
Washington, D. C. (Navy Yard).....	NAL	300,600	PG	N	Do.
Washington, D. C. (Bureau of Standards).....	NSJ	300,600	O	X	Do.
Washington, D. C. (Signal Corps laboratory).....	WUP	Variable.	O	X	U. S. Army.
Washington, D. C. (Signal Corps laboratory).....	WUQ	Variable.	O	X	Do.
Washington, D. C. (Bureau of Standards).....	WWV	Variable.	O	X	Department of Commerce.
Wilmington, N. C.....	NWN	300,600	PG	N	U. S. Navy.
Wrangell, Alaska.....	WVJ	475	PG		U. S. Army.
Yerba Buena, Calif. (Goat Island).....	NPG	300,600	PG	N	U. S. Navy.
Zamboanga, P. I.....	WVV	600,1200	PG		Philippine Insular Government.

# GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[All naval stations are open to general public service and maintain a continuous service. The normal wave length is 600 meters, but all vessels are equipped to transmit and receive on a wave length of 300 meters.]

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
A-2.....	NXB	Benham.....	NIJ	Charlotte.....	NMN
A-3.....	NXC	Bernadou.....	NESS	Chase.....	NUMK
A-4.....	NXD	Biddle.....	NVV	Chattanooga.....	NGI
A-5.....	NXE	Billingsley.....	NUPQ	Chauncey.....	NIFF
A-6.....	NXF	Birmingham.....	NCN	Chemung.....	NARG
A-7.....	NXG	Bittern.....	NIJR	Chester.....	NDG
AA-1.....	NILB	Black Hawk.....	NAJD	Chew.....	NEMZ
AA-2.....	NABB	Blakely.....	NVX	Chewink.....	NIJV
AA-3.....	NABZ	Bobolink.....	NIJ	Cheyenne.....	NDH
Aaron Ward.....	NELX	Boggs.....	NAMT	Chicago.....	NDI
Abarenda.....	NOB	Borie.....	NULL	Childs.....	NULN
Abbot.....	NEZS	Boston.....	NGC	Claxton.....	NEZQ
Acushnet (C. G. C.).....	NRU	Bothwell (C. G. C.).....	NEKD	Clemson.....	NEZT
Ajax.....	NAKD	Boyce (C. G. C.).....	NISD	Cleveland.....	NDM
Alabama.....	NBI	Branch.....	NEML	Coast Torpedo Boat	
Alameda.....	NUGJ	Brant.....	NAFF	No. 6.....	NIFT
Albany.....	NBJ	Brazos.....	NIFK	Coghlan.....	NUPK
Albatross.....	NQY	Breck.....	NULZ	Cole.....	NEST
Alden.....	NULK	Breckinridge.....	NERZ	Colhoun.....	NAJL
Alert.....	NBL	Breese.....	NESM	Colonel George Armi-	
Algonquin (C. G. C.).....	NRA	Bridge.....	NOI	stead.....	WYG
Algoma.....	NEVP	Bridgeport.....	NGR	Colorado.....	NECR
Allegheny.....	NACZ	Brooklyn.....	NFA	Columbia.....	NGA
Allen.....	NJD	Brooks.....	NEZX	Columbine (L. H. T.).....	NLL
Ammen.....	NBP	Broome.....	NEPF	Comanche (C. G. C.).....	NRW
Androscoggin (C. G. C.).....	NRD	Bruce.....	NUPS	Comfort.....	NDO
Anemone (L. H. T.).....	NABP	Brutus.....	NNA	Concord.....	NHQ
Annapolis.....	NBR	Buchanan.....	NEQS	Connecticut.....	NDQ
Anthony.....	NEVS	Buffalo.....	NCU	Conner.....	NSN
Antigone.....	KOKN	Buford.....	WXA	Constellation.....	NEDF
Apache (C. G. C.).....	NACB	Bulmer.....	NUPN	Constellation (old).....	NEY
Aramis.....	NARP	Burns.....	NAFS	Constitution.....	NEBF
Arapaho.....	NSP	Burnside.....	WXR	Constitution (old).....	NLZ
Arbutus (L. H. T.).....	NAGM	Burrows.....	NCV	Contoocook.....	NELR
Arcata (C. G. C.).....	NADD	Bush.....	NETT	Converse.....	NAPM
Arethusa.....	NBU	Bushnell.....	NZC	Conyngham.....	NJE
Arizona.....	NBW	C-1.....	NXX	Cook (C. G. C.).....	NIGT
Arkansas.....	NBV	C-2.....	NXL	Cormorant.....	NIKV
Arôostook.....	NMK	C-3.....	NXM	Cowell.....	NETV
Asheville.....	NELV	C-4.....	NNX	Crane.....	NIFB
Astoria.....	NGM	C-5.....	NXO	Craven.....	NERJ
Atlantic.....	NENN	Cadmus.....	WUAB	Crook.....	WXB
Auk.....	NIJT	Caesar.....	NCY	Crosby.....	NESZ
Aulick.....	NERG	Caldwell.....	NSI	Crowninshield.....	NADF
Avocet.....	NADP	California.....	NDF	Culgoa.....	NDU
Aylwin.....	NIH	Camden.....	NAPR	Cummings.....	NIL
Azalea (L. H. T.).....	NUXU	Canandaigua.....	NCR	Cumberland.....	NSZ
B-1.....	NXH	Canonius.....	NCS	Curacao.....	NAGQ
B-2.....	NXI	Captain A. M. Wether- ill.....	WYT	Curlew.....	NIBJ
Babbitt.....	NEPX	Captain Charles W. Rowell.....	WYI	Cushing.....	NIM
Bache (C. & G. S.).....	NLK	Captain Gregory Bar- rett.....	WYP	Cuyama.....	NOD
Badger.....	NEPT	Captain James For- nance.....	WYM	Cyan.....	NIFV
Badger, George E.....	NUJG	Captain T. M. Morri- son.....	WYZ	Cygan (C. G. C.).....	NICP
Bagaduce.....	NAZP	Cardinal.....	NEXP	Cypress (L. H. T.).....	NLM
Bagley.....	NVU	Carr (C. G. C.).....	NEVQ	Cyrus W. Field.....	WXS
Bailey.....	NCF	Carrabasset.....	NUNX	D-1.....	NXP
Bainbridge.....	NUQL	Case.....	NIK	D-2.....	NXQ
Balch.....	NII	Cassin.....	NDA	D-3.....	NXR
Ballard.....	NIGN	Castine.....	NAFP	Dahlgren.....	NVZ
Baltimore.....	NCH	Cayuga.....	NLW	Dale.....	NUND
Bancroft.....	NAJQ	Cedar (L. H. T.).....	NDB	Dallas.....	NENM
Barry.....	NUQP	Celtic.....	NEKQ	Davis.....	NJF
Barker.....	NUJK	Champlin.....	NAGL	Decatur.....	NUQV
Barney.....	NVV	Chandler.....	NUPR	Delaware.....	NEK
Bath.....	NHY	Charles Ausburne.....	NABG	De Long.....	NWB
Beale.....	NCL	Charles S. Osborne.....	NFE	Delphy.....	NEZQ
Bear (C. G. C.).....	NRB	Charleston.....		Dent.....	NEG F
Beaufort.....	NGP			Denver.....	NEM
Beaver.....	NEQQ			Des Moines.....	NEN
Belknap.....	NEZZ			Despatch.....	NIDF
Bell.....	NATG			Dickerson.....	NAFC

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Dix.	WXC	Explorer (C. & G. S.)	NAVM	H-6.	NEFC
Dixie.	NEP	F-2	NXV	H-7.	NESJ
Dobbin.	NUNR	F-3	NXW	H-8.	NELN
Dolphin.	NEQ	Fairfax	NTN	H-9.	NEBV
Dorsey.	NELG	Falcon	NEKN	Hale.	NACL
Downes.	NIN	Fanning	NFM	Hamilton	NIFL
Doyen.	NUJS	Farquaar	NANZ	Hanceek.	NHI
Drayton.	NET	Farragut	NVS	Hannibal.	NGU
Dreadnaught.	NCX	Favorite	NAJN	Haraden.	NEXZ
Dubuque.	NEU	Fern (L. H. T.)	NAFV	Harbor Tug No. 61.	NUMX
Duncan.	NIR	Finch.	NAJP	Harbor Tug No. 63.	NULD
Dupont.	NWC	Flamingo.	NIJN	Harbor Tug No. 64.	NUMT
Dyer.	NACN	Florida.	NFR	Harbor Tug No. 67.	NULG
E-1.	NXS	Flusser.	NUNF	Harbor Tug No. 68.	NUMR
E-2.	NXT	Foote.	NWF	Harbor Tug No. 74.	NEKP
Eagle 1.	NEJB	Ford.	NUQJ	Harding.	NEMV
Eagle 2.	NEJC	Fortune.	NEGS	Hart.	NENV
Eagle 3.	NEJD	Fox.	NWJ	Hartford.	NGV
Eagle 4.	NEJF	Frederick.	NJS	Hatfield.	NEZV
Eagle 5.	NEJG	Fuller.	NIFG	Hazelwood.	NENS
Eagle 6.	NEJJ	Fulton.	NZD	Heather (L. H. T.)	NAKL
Eagle 7.	NEJK	G-1.	NXY	Helena.	NGY
Eagle 8.	NEJL	G-2.	NXZ	Henderson.	NOH
Eagle 9.	NEJM	G-3.	NYA	Henley.	NHA
Eagle 10.	NEJN	G-4.	NYB	Henry Wilson.	WZS
Eagle 11.	NEJP	Galveston.	NGD	Henshaw.	NUjq
Eagle 12.	NEJQ	Gamble.	NEZR	Herbert.	NEMJ
Eagle 13.	NEJR	Gannet.	NIJX	Hercules.	NEKR
Eagle 14.	NEJS	Gen. Alava.	NAMG	Herndon.	NENJ
Eagle 15.	NEJT	Gen. A. M. Randal.	WYJ	Heron.	NENL
Eagle 17.	NEJX	Gen. E. O. C. Ord.	WYF	Hibiscus (L. H. T.)	NAKN
Eagle 18.	NEJZ	Gen. George H. Weeks.	WZT	Hogan.	NEXT
Eagle 19.	NEKB	Gen. G. W. Getty.	WYS	Hopewell.	NEXX
Eagle 23.	NEKG	Gen. Harvey Brown.	WYK	Hopkins.	NUQM
Eagle 25.	NEKK	Gen. Henry J. Hunt.	WYD	Housatonic.	NFX
Eagle 26.	NEKF	Gen. Henry Knox.	WYE	Houston.	NGZ
Eagle 27.	NEGX	Gen. J. M. Brannan.	WZW	Hovey.	NEPB
Eagle 28.	NEXM	Gen. John M. Schofield.	WXW	Howard.	NIFM
Eagle 29.	NEYN	Gen. Mifflin.	WZX	Hulbert.	NUKD
Eagle 31.	NEZG	Gen. Nathaniel Greene.	WZR	Hull.	NUQT
Eagle 32.	NEZJ	Gen. R. B. Ayres.	WYL	Humphreys.	NUKX
Eagle 33.	NIBB	Gen. R. H. Jackson.	WWY	Hunt.	NUJF
Eagle 34.	NIBD	Gen. Richard Arnold.	WYY	Huntington.	NWG
Eagle 35.	NIBG	Gen. R. N. Batchelder.	WZW	Huron.	NSX
Eagle 36.	NIBK	Gen. Robt. Anderson.	WYH	Hyacinth (L. H. T.)	NAgv
Eagle 37.	NIBM	Gen. Robt. W. Swartout.	Idaho.	Iowa.	NHN
Eagle 38.	NIBN	Gen. Royal T. Frank.	WYU	Illinois.	NHO
Eagle 39.	NIBC	Gen. S. B. Holabird.	WYA	Indiana.	NHQ
Eagle 40.	NIBF	Gen. S. M. Mills.	WYV	Ingraham.	NENX
Eagle 41.	NIBJ	Gen. Timothy Pickering.	WYB	Ingram, Osmond.	NIGF
Eagle 42.	NIBL	Gen. Wm. M. Graham.	WZQ	Infrepid.	NFY
Eagle 43.	NIBP	Georgia.	WEY	Iowa.	NHT
Eagle 44.	NIBQ	Gillis.	NGF	Iris (L. H. T.)	NALL
Eagle 45.	NIBR	Gilmer.	NERR	Iroquois.	NHv
Eagle 46.	NIBS	Glacier.	NERB	Isherwood.	NUNV
Eagle 47.	NIBT	Goff.	NGH	Israel.	NENG
Eagle 48.	NIBV	Goldsborough.	NUQF	Itasca (C. G. C.)	NRI
Eagle 49.	NIBX	Gorgona.	NGJ	Iuka.	NEVR
Eagle 50.	NIBZ	Graham.	NDJ	Ivy (L. H. T.)	NAKV
Eagle 51.	NICB	Great Northern.	NAGJ	Jacob Jones.	NEPZ
Eagle 52.	NICC	Grebe.	NIR	Jarvis.	NIB
Eagle 53.	NICD	Greene.	NIMX	Jason.	NNB
Eagle 54.	NICF	Greer.	NIKX	Jenkins.	NID
Eagle 55.	NICG	Gregory.	NIGM	J. Fred Talbott.	NIGR
Eagle 56.	NICJ	Gresham (C. G. C.)	NERT	Johanson (C. G. C.)	NIQP
Eagle 57.	NICK	Gridley.	NAJR	John D. Edwards.	NUPC
Eagle 58.	NICL	Gulfport.	NRG	John Frances Burnes.	NIQg
Eagle 59.	NICM	Gwalla.	NEMX	Joseph Henry.	WXT
Eagle 60.	NICN	Gwin.	NHS	Jouett.	NIE
Earp (C. G. C.).	NEKF	Gypsum Prince.	WUAD	K-1.	NYF
Edsall.	NUPM	Gypsum Queen.	WUAC	K-2.	NYG
Edwards.	NIGL	Gypsum.	NAKC	K-3.	NYH
Eider.	KOKJ	H-1.	NYC	K-4.	NYI
Eider.	NIKR	H-2.	NYD	K-5.	NYJ
El Cano.	NFD	H-3.	NYE	K-6.	NYK
Elliot.	NERV	H-4.	NEQM	K-7.	NYL
Ellis.	NIFD	H-5.	NETG	K-8.	NYM
Eriesson.	NIS			Kalk.	NIGD
Evans.	NEMS			Kalmia.	NAZS

RADIO STATIONS OF THE UNITED STATES.

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GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Kanawha.....	NND	Major Guy Howard....	WZY	Natoma.....	NUGG
Kane.....	NULM	Major Samuel Ringgold.....	WYC	Narragansett.....	NAMN
Kankakee (C. G. C.)	NUMZ	Malard.....	NIKB	Navajo.....	NKZ
Kansas.....	NIO	Mangrove (L. H. T.).....	NANV	Navesink.....	WXU
Kaweah.....	NUGK	Manhattan (C. G. C.).....	NEKZ	Nebraska.....	NMA
Kearsarge.....	NIP	Manley.....	NSH	Neeches.....	NIFP
Kennedy.....	NAZM	Manning (C. G. C.).....	NRN	Neptune.....	NMS
Kennison.....	NEQX	Mansfield.....	NUMV	Nereus.....	NNF
Kentucky.....	NIQ	Manzanita (L. H. T.).....	NLU	Nero.....	NEDX
Keosauqua.....	NEXC	Maple (L. H. T.).....	NAPV	Nevada.....	NCA
Kewaydin.....	NAXN	Marblehead.....	NGK	New Hampshire.....	NME
Kidder.....	NUJX	Marcus.....	NUMG	New Jersey.....	NMP
Kilkenny.....	KKI	Marigold (L. H. T.).....	NAQV	New Mexico.....	NQW
Kilpatrick.....	WXD	Mars.....	NJR	New Orleans.....	NMG
Kilty.....	NAKX	Maryland.....	NARC	Newport.....	NMH
Kimberly.....	NADL	Mason.....	NAGG	Newport News.....	NHZ
King.....	NULP	Massachusetts.....	NJT	New York.....	NCC
Kingfisher.....	NALP	Mattole.....	NUGM	Niagara.....	NABC
Kittery.....	NHW	Maumee.....	NNE	Nicholas.....	NUNZ
Klingelhoefer (C. G. C.)	NISC	Maury.....	NEPG	Nicholson.....	NIU
Knudsen (C. G. C.)	NEXL	Mayflower (L. H. T.).....	NZQ	Nitro.....	NELL
Koka.....	NETZ	Mayflower (President's yacht).....	NIV	Noa.....	NUKF
Kukui (L. H. T.)	NLF	Mayrant.....	NJU	Nopatin.....	NAMQ
L-1.....	YNY	McCall.....	NJW	North Carolina.....	NISK
L-2.....	NYO	McCalla.....	NIGC	North Dakota.....	NMO
L-3.....	NYP	McCawley.....	NULS	Northern Pacific.....	WIM
L-4.....	NYQ	McCook.....	NINGB	O-1.....	NEXJ
L-5.....	NYR	McCormick.....	NUPZ	O-2.....	NETJ
L-6.....	NYS	McDermut.....	NIGG	O-3.....	NAMR
L-7.....	NYT	McDougal.....	NIT	O-4.....	NAMX
L-8.....	NYU	McFarland.....	NETB	O-5.....	NAMZ
L-9.....	NYV	McGourty (C. G. C.)	NEJV	O-6.....	NANB
L-10.....	NYW	McKean.....	NEMT	O-7.....	NANC
L-11.....	NYX	McKee.....	NACQ	O-8.....	NAND
Lamberton.....	NAZL	McLanahan.....	NIGK	O-9.....	NAGB
Lamson.....	NUNC	Meade.....	NEBJ	O-10.....	NAXT
Langley.....	NNC	Medusa.....	NEMC	O-11.....	NETK
Lansdale.....	NERL	Mehalatos (C. G. C.)	NIDL	O-12.....	NETL
Lapwing.....	NALC	Melville.....	NKA	O-13.....	NEZN
Laramie.....	NUGL	Mercy.....	NKK	O-14.....	NEVD
Lardner.....	NUPF	Meredith.....	NETS	O-15.....	NAXS
Lark.....	NIJK	Merritt.....	WXI	O-16.....	NASM
Larkspru (L. H. T.)	NAMB	Mervine.....	NUMJ	O'Bannon.....	NEXS
Larsen (C. G. C.)	NIKT	Meyer.....	NUJR	O'Brien.....	NIV
Laub.....	NIGJ	Mexican.....	NAMC	Ohio.....	NMW
Laurel (L. H. T.)	NALV	Michigan.....	NJZ	Oil Barge No. 9.....	NEQL
La Vallette.....	NUJT	Minneapolis.....	NGB	Oklahoma.....	NCB
Lawrence.....	NUQQ	Minnesota.....	NKD	Olympia.....	NGG
Lea.....	NETF	Mississippi.....	NKE	Onondaga (C. G. C.)	NRO
Leary.....	NAFL	Missoula.....	NKM	Ontario.....	NTA
Lebanon.....	NIZ	Missouri.....	NKF	Orchid (L. H. T.)	NLT
Leonidas.....	NNH	Mohave.....	NTO	Oregon.....	NMZ
Lexington.....	NEDB	Mohawk.....	NUFB	Oriole.....	NEVM
Lieut. Geo. M. Harris	WYR	Mohican.....	NZA	Orion.....	NOC
Lilae (L. H. T.)	NUCF	Monadnock.....	NHD	Ortowan.....	NIKC
Liscum.....	WXE	Monaghan.....	NKL	Osborne.....	NUQC
Litchfield.....	NUMM	Monocacy.....	NQQ	Oscola.....	NOA
Little.....	NRT	Montana.....	NSJ	Osprey.....	NJL
Logan.....	WXF	Montcalm.....	NEXF	Ossipee.....	NRJ
Long, J. D.	NEPD	Monterey.....	NKN	Overton.....	NUJN
Long Beach.....	NEFZ	Montgomery.....	NAXJ	Oveson (C. G. C.)	NIZD
Louisiana.....	NJB	Moody.....	NULT	Owl.....	NACS
Luce.....	NEGD	Morrill (C. G. C.)	NRC	Ozark.....	NHII
Ludlow.....	NENZ	Morris.....	NWS	Ozette.....	NEDN
Lydonia.....	NDR	Mount Vernon.....	WUAA	Paducah.....	NOG
Lykens.....	NALK	Mugford.....	NEXR	Palmer.....	NECV
M-1.....	NYY	Mullan.....	NUML	Palos.....	NQS
MacDonough.....	NUQR	Murray.....	NAXK	Pamlico (C. G. C.)	NRB
Machias.....	NQL	N-1.....	NZE	Pampanga.....	NQT
MacKenzie.....	NEVX	N-2.....	NZF	Panther.....	NOJ
Mackimac (C. G. C.)	NUGD	N-3.....	NZG	Parker.....	NIX
MacLeish.....	NUPT	N-4.....	NZH	Parrott.....	NUPD
Maddox.....	NETX	N-5.....	NZI	Partridge.....	NIJG
Madromo (L. H. T.)	NAMV	N-6.....	NZJ	Patapsco.....	NOL
Magnolia (L. H. T.)	NAPS	N-7.....	NZK	Pathfinder (C. G. S.)	NLJ
Mahan.....	NEQK	Nanshan.....	NNK	Patoka.....	NUGN
Mahopac.....	NETD	Nantucket.....	NFU	Patterson.....	NOK
Maine.....	NJL	Nansemond.....	NITL	Pauxtent.....	NOM
Major Albert G. Forse	WYQ	Napa.....	NEVC	Paulding.....	NON
Major Evan Thomas.	WYO			Paulding, James K.	NUJM

GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Paul Hamilton.....	NAQN	Rappahannock.....	NJO	Saint Louis.....	NTF
Paul Jones.....	NUQN	Rathburne.....	NACR	Salem.....	NTP
Pawnee.....	NUH	Raven.....	NIKZ	Salinas.....	NUGR
Pawtucket.....	NUJ	Redwing.....	NIKG	Samar.....	NLX
Peacock.....	NIKD	Reid.....	NUNK	Samoa.....	NABR
Peary.....	NUQD	Relief No. 1 (hospital ship).....	NEPQ	Samotet.....	NUU
Pecos.....	NIFQ	Reno.....	NAMD	Sampson.....	NKS
Pelican.....	NEFK	Reno.....	WYN	Sanderling.....	NIJS
Penguin.....	NECT	Renshaw.....	NEVZ	Sandpiper.....	NIKK
Pennsylvania.....	NCE	Reuben James.....	NUNT	Sands.....	NULQ
Penobscot.....	NOE	Rhode Island.....	NTX	San Francisco.....	NTQ
Pensacola.....	NGN	Richards.....	NIDG	San Pedro.....	WZZ
Pentucket.....	NUL	Ringgold.....	NALT	Santa Leonora.....	KIML
Peoria.....	NOW	Rizal.....	NEVV	Sapelo.....	NUGS
Pequot (C. G. C.).....	NUPJ	Roanoke.....	NHU	Sara Thompson.....	NEMD
Perry.....	NUQS	Robert L. Barnes.....	NAZZ	Saratoga.....	NELB
Percival.....	NIFJ	Robin.....	NANQ	Satterlee.....	NAGC
Perkins.....	NOX	Robinson.....	NAJX	Saturn.....	NNM
Petrel.....	NOZ	Rochester.....	NTR	Savannah.....	NGS
Philip.....	NEDG	Rocket.....	NUT	Scally (C. G. C.).....	NEKC
Pigeon.....	NIKF	Rodgers.....	NWT	Schenck.....	NEMG
Pillsbury.....	NUQG	Roe.....	NTZ	Schley.....	NKT
Pinola.....	NEVL	Roper.....	NERX	Sciota.....	NEVK
Piscataqua.....	NAQC	Rose (L. H. T.).....	NASD	Scorpiion.....	NTT
Pittsburgh.....	NOT	Rowan.....	NKR	Seagull.....	NIJM
Plattsburg.....	NANJ	<b>S-1</b> .....	NIMG	Seattle.....	NAPG
Pompey.....	NQF	S-2.....	NIMJ	Savannah.....	NUV
Pope.....	NUQB	S-3.....	NIMK	Sebago.....	NUJZ
Porter.....	NOO	S-4.....	NIML	Selridge.....	NUS
Potomac.....	NQK	S-5.....	NIMM	Seminole (C. G. C.).....	NRS
Prairie.....	NQM	S-6.....	NIMN	Semmes.....	NAFP
Preble.....	NUNG	S-7.....	NIMP	Seneca (C. G. C.).....	NRE
Preston.....	NUNJ	S-8.....	NIMQ	Septulga.....	NUGT
Prometheus.....	NQR	S-9.....	NIMR	Sequoia (L. H. T.).....	NLV
Proteus.....	NNG	S-10.....	NIMS	Sharkey.....	NULV
Pruitt.....	NUPV	S-11.....	NIMT	Shaw.....	NKU
Pueblo.....	NDN	S-12.....	NIMV	Shawmut.....	NML
Putnam.....	NUPG	S-13.....	NIMX	Sheridan.....	WXJ
Pyro.....	NELK	S-14.....	NIMZ	Sherman.....	WXX
Quail.....	NIKQ	S-15.....	NINB	Shirk.....	NUJV
Quigley (C. G. C.).....	NIDB	S-16.....	NINC	Shubrick.....	NWU
Quincy.....	NGQ	S-17.....	NIND	Sialia.....	WFY
Quiros.....	NQZ	S-18.....	NINF	Sicard.....	NUPL
<b>R-1</b> .....	NILC	S-19.....	NING	Sigourney.....	NAJB
R-2.....	NILD	S-20.....	NINJ	Simpson.....	NUPX
R-3.....	NILF	S-21.....	NINK	Sinclair.....	NULR
R-4.....	NILG	S-22.....	NINL	Sloat.....	NUMD
R-5.....	NILJ	S-23.....	NINM	Slocum.....	WWY
R-6.....	NILK	S-24.....	NINN	Smith.....	NIXG
R-7.....	NILL	S-25.....	NINP	Smith, Robert.....	NUKB
R-8.....	NILM	S-26.....	NINQ	Snohomish (C. G. C.).....	NRF
R-9.....	NILN	S-27.....	NINR	Solace.....	NST
R-10.....	NILP	S-28.....	NINS	Somers.....	NWV
R-11.....	NILQ	S-29.....	NINT	Sonoma.....	NTG
R-12.....	NILR	S-30.....	NINV	Sotovomo.....	NAJK
R-13.....	NILS	S-31.....	NINX	Southard.....	KEXQ
R-14.....	NIILT	S-32.....	NINZ	South Bend.....	NSW
R-15.....	NASV	S-33.....	NIPB	South Carolina.....	NISG
R-16.....	NASX	S-34.....	NIPC	South Dakota.....	NUBB
R-17.....	NAFX	S-35.....	NIPD	S. P. 43 (Daraga).....	NUBK
R-18.....	NEGC	S-36.....	NIPF	S. P. 54 (Patrol No. 6).....	NUCK
R-19.....	NEGK	S-37.....	NIPG	S. P. 156 (Winchester).....	NALQ
R-20.....	NARZ	S-38.....	NIPJ	S. P. 164 (May).....	NUDF
R-21.....	NILV	S-39.....	NIPK	S. P. 179 (Privateer).....	NEFS
R-22.....	NIIX	S-40.....	NIPL	S. P. 181 (Helori).....	NUFZ
R-23.....	NIIZ	S-41.....	NIPM	S. P. 185 (Clarinda).....	NUCX
R-24.....	NIMB	S-42.....	NIPN	S. P. 214 (Edithia).....	NUCZ
R-25.....	NIMC	S-43.....	NIPP	S. P. 249 (Hauoli).....	NUCT
R-26.....	NIMD	S-44.....	NIPQ	S. P. 265 (Pocomoke).....	NUFG
R-27.....	NIMF	S-45.....	NIPR	S. P. 399 (Legonia).....	NAKQ
Randford.....	NEXB	S-46.....	NIPS	S. P. 415 (Kemah).....	NDV
Rail.....	NAQJ	S-47.....	NIPT	S. P. 493 (Cahill).....	NHF
Rainbow.....	NFZ	S-48.....	NIPV	S. P. 521 (Isabel).....	NUBT
Raleigh.....	NTE	S-49.....	NIPX	S. P. 522 (Chas. Mann).....	NQP
Ramapo.....	NUGP	S-50.....	NIPZ	S. P. 524 (Margaret).....	NUCS
Ramsay.....	NIFC	S-51.....	NIQK	S. P. 573 (Easthampton ton).....	NUCG
Ranger.....	NELF	Sacramento.....	NQV	S. P. 639 (Nokomis).....	NAMM
Ranger (C. & G. S.).....	NUDG	Sagamore.....	NA NX	S. P. 642 (Felicia).....	NUCR
Rapidan.....	NUGQ			S. P. 680 (Ardent).....	

GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
S. P. 681 (Breakwater)	NUMS	Sub. chaser No. 73	NODX	Sub. chaser No. 220	NOPB
S. P. 707 (Endion)	NUDR	Sub. chaser No. 74	NODZ	Sub. chaser No. 221	NOPC
S. P. 714 (Galatea)	NKPF	Sub. chaser No. 77	NOFB	Sub. chaser No. 222	NOPD
S. P. 724 (Fearless)	NEKM	Sub. chaser No. 91	NOFT	Sub. chaser No. 223	NOPF
S. P. 726 (Orca)	NUBS	Sub. chaser No. 93	NOFX	Sub. chaser No. 224	NOPG
S. P. 765 (Adelante)	NUCK	Sub. chaser No. 95	NOGB	Sub. chaser No. 225	NOPJ
S. P. 813 (Corona)	NNQ	Sub. chaser No. 96	NOGC	Sub. chaser No. 226	NOPK
S. P. 838 (Lawrence, John L.)	NUFL	Sub. chaser No. 97	NOGD	Sub. chaser No. 228	NOPM
S. P. 909 (Eaglet)	NUBC	Sub. chaser No. 98	NOGF	Sub. chaser No. 229	NOPN
S. P. 951 (Utowahah)	NJF	Sub. chaser No. 100	NOGJ	Sub. chaser No. 230	NOPP
S. P. 1014 (Sea Rover)	NEX	Sub. chaser No. 101	NOGK	Sub. chaser No. 231	NOPQ
S. P. 1015 (Challenge)	NEKS	Sub. chaser No. 102	NOGL	Sub. chaser No. 232	NOPR
S. P. 1116 (Genesee)	NKG	Sub. chaser No. 103	NOGM	Sub. chaser No. 235	NOPV
S. P. 1121 (Osborne)	NESN	Sub. chaser No. 104	NOGN	Sub. chaser No. 236	NOPX
S. P. 1128 (Conestoga)	NAGP	Sub. chaser No. 105	NOGP	Sub. chaser No. 237	NOPZ
S. P. 1149 (Barnett)	NUFN	Sub. chaser No. 106	NOGQ	Sub. chaser No. 238	NOQB
S. P. 1161 (Francis B. Hackett)	NTD	Sub. chaser No. 107	NOGR	Sub. chaser No. 239	NOQC
S. P. 1213 (Montauk)	NARN	Sub. chaser No. 109	NOGT	Sub. chaser No. 240	NOQD
S. P. 1232 (Barnegat)	NADQ	Sub. chaser No. 110	NOGV	Sub. chaser No. 241	NOQF
S. P. 1234 (Cigarette)	NUCJ	Sub. chaser No. 111	NOGX	Sub. chaser No. 242	NOQG
S. P. 1250 (Nahant)	NQE	Sub. chaser No. 116	NOJF	Sub. chaser No. 244	NOQJ
S. P. 2047 (Moosehead)	NAQM	Sub. chaser No. 117	NOJG	Sub. chaser No. 245	NOQK
S. P. 2225 (Navigator)	NECD	Sub. chaser No. 118	NOJJ	Sub. chaser No. 246	NOQL
S. P. 2373 (Herreshoff Hull No. 322)	NUDK	Sub. chaser No. 119	NOJK	Sub. chaser No. 247	NOQM
S. P. 3218 (Resolute)	NUGB	Sub. chaser No. 120	NOJL	Sub. chaser No. 248	NOQN
S. P. 3297 (Winthrop)	NUBR	Sub. chaser No. 121	NOJM	Sub. chaser No. 250	NOQP
S. P. Lee	NESB	Sub. chaser No. 123	NOJP	Sub. chaser No. 251	NOQQ
Spring Carroll	WZU	Sub. chaser No. 126	NOJS	Sub. chaser No. 252	NOQR
Sproston	NEVT	Sub. chaser No. 128	NOJV	Sub. chaser No. 253	NOQS
Stansbury	NEXV	Sub. chaser No. 129	NOJX	Sub. chaser No. 254	NOQT
Stellenwerf (C. G. C.)	NIDC	Sub. chaser No. 133	NOKD	Sub. chaser No. 255	NOQV
Sterrett	NTB	Sub. chaser No. 134	NOKF	Sub. chaser No. 257	NOQZ
Stevens	NAPK	Sub. chaser No. 135	NOKG	Sub. chaser No. 258	NORB
Stewart	NUNN	Sub. chaser No. 136	NOKJ	Sub. chaser No. 259	NORC
Stockton	NEO	Sub. chaser No. 138	NOKL	Sub. chaser No. 260	NORD
Stoddert	NALZ	Sub. chaser No. 143	NOKN	Sub. chaser No. 262	NORG
Stribling	NAVS	Sub. chaser No. 144	NOKP	Sub. chaser No. 263	NORJ
Stringham	NACP	Sub. chaser No. 145	NOKQ	Sub. chaser No. 264	NORK
Sturtevant	NUJP	Sub. chaser No. 147	NOKR	Sub. chaser No. 265	NORL
Sub. chaser No. 17	NOBJ	Sub. chaser No. 148	NOKS	Sub. chaser No. 266	NORM
Sub. chaser No. 19	NOBL	Sub. chaser No. 154	NOLC	Sub. chaser No. 268	NORP
Sub. chaser No. 21	NOBN	Sub. chaser No. 156	NOLF	Sub. chaser No. 269	NORQ
Sub. chaser No. 23	NOBQ	Sub. chaser No. 158	NOLJ	Sub. chaser No. 270	NORR
Sub. chaser No. 24	NOBR	Sub. chaser No. 159	NOLK	Sub. chaser No. 271	NORS
Sub. chaser No. 25	NOBS	Sub. chaser No. 165	NOLM	Sub. chaser No. 272	NORT
Sub. chaser No. 26	NOBT	Sub. chaser No. 166	NOLN	Sub. chaser No. 273	NORV
Sub. chaser No. 35	NOBZ	Sub. chaser No. 167	NOLP	Sub. chaser No. 277	NOSC
Sub. chaser No. 36	NOCB	Sub. chaser No. 168	NOLQ	Sub. chaser No. 278	NOSD
Sub. chaser No. 37	NOCC	Sub. chaser No. 177	NOLR	Sub. chaser No. 282	NOSK
Sub. chaser No. 40	NOCG	Sub. chaser No. 178	NOLS	Sub. chaser No. 283	NOSL
Sub. chaser No. 42	NOCK	Sub. chaser No. 180	NOLV	Sub. chaser No. 284	NOSM
Sub. chaser No. 43	NOCL	Sub. chaser No. 181	NOLX	Sub. chaser No. 287	NOSQ
Sub. chaser No. 44	NOCM	Sub. chaser No. 182	NOLZ	Sub. chaser No. 288	NOSR
Sub. chaser No. 45	NOCN	Sub. chaser No. 184	NOMC	Sub. chaser No. 289	NOSS
Sub. chaser No. 46	NOCP	Sub. chaser No. 185	NOMD	Sub. chaser No. 291	NOSV
Sub. chaser No. 47	NOCQ	Sub. chaser No. 186	NOMF	Sub. chaser No. 294	NOTB
Sub. chaser No. 48	NOCR	Sub. chaser No. 187	NOMG	Sub. chaser No. 295	NOTC
Sub. chaser No. 49	NOCS	Sub. chaser No. 188	NOMJ	Sub. chaser No. 296	NOTD
Sub. chaser No. 50	NOCT	Sub. chaser No. 190	NOML	Sub. chaser No. 298	NOTG
Sub. chaser No. 51	NOCV	Sub. chaser No. 191	NOMM	Sub. chaser No. 299	NOTJ
Sub. chaser No. 52	NOCX	Sub. chaser No. 192	NOMN	Sub. chaser No. 301	NOTL
Sub. chaser No. 53	NOCZ	Sub. chaser No. 193	NOMP	Sub. chaser No. 303	NOTN
Sub. chaser No. 54	NODB	Sub. chaser No. 194	NOMQ	Sub. chaser No. 304	NOTP
Sub. chaser No. 55	NODC	Sub. chaser No. 195	NOMR	Sub. chaser No. 305	NOTQ
Sub. chaser No. 56	NODD	Sub. chaser No. 196	NOMS	Sub. chaser No. 306	NOTR
Sub. chaser No. 57	NODF	Sub. chaser No. 206	NONJ	Sub. chaser No. 307	NOTS
Sub. chaser No. 62	NODM	Sub. chaser No. 208	NONL	Sub. chaser No. 308	NOTT
Sub. chaser No. 63	NODN	Sub. chaser No. 210	NONN	Sub. chaser No. 309	NOTV
Sub. chaser No. 64	NODP	Sub. chaser No. 211	NONP	Sub. chaser No. 310	NOTX
Sub. chaser No. 68	NODQ	Sub. chaser No. 212	NONQ	Sub. chaser No. 320	NOVC
Sub. chaser No. 69	NODR	Sub. chaser No. 213	NONR	Sub. chaser No. 322	NOVF
Sub. chaser No. 70	NODS	Sub. chaser No. 214	NONS	Sub. chaser No. 323	NOVG
Sub. chaser No. 71	NODT	Sub. chaser No. 215	NONT	Sub. chaser No. 328	NOVN
Sub. chaser No. 72	NODV	Sub. chaser No. 216	NONV	Sub. chaser No. 329	NOVP
		Sub. chaser No. 217	NONX	Sub. chaser No. 330	NOVQ
		Sub. chaser No. 218	NONZ	Sub. chaser No. 331	NOVR

## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Sub. chaser No. 332	NOVS	Terry	NUI	Vixen	NSU
Sub. chaser No. 336	NOVZ	Texas	NCD	Vulcan	NVT
Sub. chaser No. 338	NOXC	Thatcher	NESV	Wadsworth	NKW
Sub. chaser No. 339	NOXD	Thomas	NIFN	W. A. Edwards	NDT
Sub. chaser No. 340	NOXF	Thomas	WXM	Wahmeta	NVI
Sub. chaser No. 341	NOXG	Thompson	NAZC	Wainwright	NKX
Sub. chaser No. 351	NOXQ	Thompson, Smith	NUJJ	Walke	NWL
Sub. chaser No. 352	NOXR	Thornton	NWX	Walker	NESX
Sub. chaser No. 353	NOXS	Thrush	NIKS	Wandam	NARF
Sub. chaser No. 354	NOXT	Tillman	NEQT	Warbler	NIKM
Sub. chaser No. 356	NOXX	Tingard	NISB	Ward	NAGS
Sub. chaser No. 408	NOZC	Tingeay	NWY	Warren	WXN
Sub. chaser No. 409	NOZD	Tippecanoe	NUGV	Warrington	NWD
Sub. chaser No. 412	NOZJ	Tonopah	NUN	Washington	NWE
Sub. chaser No. 413	NOZK	Topeka	NLY	Wasmuth	NUKC
Sub. chaser No. 416	NOZN	Torpedo Test Barge	NIFR	Waters	NATT
Sub. chaser No. 419	NOZR	No. 1.		Welborn C. Wood	NULJ
Sub. chaser No. 421	NOZT	Torpedo Test Barge	NIFS	Welles	NAJZ
Sub. chaser No. 422	NOZV	No. 2.		Wenonah (C. & G. S.)	NJJ
Sub. chaser No. 423	NOZX	Torpedo Test Barge	NIFX	West Virginia	NEDJ
Sub. chaser No. 424	NOZZ	No. 3.		Wheeling	NWH
Sub. chaser No. 425	NIQB	Torpedo Test Barge	NIFZ	Whipple	NUNL
Sub. chaser No. 426	NIQC	No. 4.		Whippoorwill	NIJQ
Sub. chaser No. 427	NIQD	Toucey	NULX	Wiekes	NATI
Sub. chaser No. 428	NIQF	Tracey	NUJL	Widgeon	NAQF
Sub. chaser No. 429	NIQG	Trafie	NVA	Wilhelmina	NDE
Sub. chaser No. 430	NIQH	Trever	NUMP	Wilkes	NKQ
Sub. chaser No. 432	NIQL	Trinity	NUGX	Willet	NIKN
Sub. chaser No. 439	NIQT	Trippie	NUQ	William B. Preston	NUMQ
Sub. chaser No. 440	NIQV	Truxtun	NUQK	William Jones	NARR
Sub. chaser No. 441	NIQX	Triton	NVC	Williams	NENT
Sub. chaser No. 443	NIRB	Tucker	NKV	Williamson	NUNS
Sub. chaser No. 444	NIRC	Tulip (L. H. T.)	NXX	Willoughby	NJX
Sumac (L. H. T.)	NASG	Turkey	NIJF	Wilmington	NWK
Sunflower (L. H. T.)	NUFM	Turner	NERQ	Winslow	NJA
Sunnadin	NEVB	Tuscarora (C. G. C.)	NRL	Wisconsin	NWM
Supply	NTK	Twiggs	NEPV	W. J. Courtney	NCJ
Surveyor (C. & G. S.)	NQU	U-111	NEVG	Wolverine	NGW
Swallow	NEFL	U-117	NEXK	Wompatuck	NVJ
Swan	NIJP	U-148	NERD	Wood	NUMF
Swasey	NIGP	U-B-88	NESD	Woodbury	NATM
Sylph	NTL	U-C-97	NEQP	Woodeock	NIKP
Sylvia	NARQ	Umpqua	NATS	Woolsey	NATF
Tacoma	NUA	Unadilla	NEPT	Worden	NUNM
Tacony	WUAE	Unalga (C. G. C.)	NRX	Wyoming	NWQ
Tadousac	NAZQ	Uncas	NVF	Yacona	NJM
Talbot	NAPL	Undaunted	NNX	Yamaicraw (C. G. C.)	NRY
Tallahassee	NUC	United States	NUNQ	Yankton	NSK
Tallapoosa (C. G. C.)	NRV	Upshur	NERS	Yarborough	NUMC
Tanager	NABS	Upshur, Abel P.	NUJD	Yarnall	NIGS
Tarbell	NEZP	Utah	NVE	Yocona (C. G. C.)	NUNB
Tatnuck	NETQ	Vermont	NVR	Yorktown	NQX
Tattnall	NEPS	Vestal	NMC	Young	NESG
Taylor (C. G. C.)	NITB	Vesuvius	NUBM	Zane	NUMN
Taylor	NALR	Vicksburg	NVN	Zeilin	NUMB
Teal	NAPN	Villalobos	NVP	Zizania (L. H. T.)	NZZ
Tennessee	NSE	Vireo	NIKL		
Tern	NIKT	Virginia	NVR		

# GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

Call.	Station.	Call.	Station.
<b>KEXQ</b>	South Bend.....b	<b>NCN</b>	Birmingham.....b
<b>KGU</b>	Kanakanak, Alaska.....c	<b>NCR</b>	Canandaigua.....b
<b>KHI</b>	Isabela de Basilan, P. I.....c	<b>NCS</b>	Canonius.....b
<b>KIKN</b>	Antigone.....b	<b>NCU</b>	Buffalo.....b
<b>KIML</b>	Santa Leonora.....b	<b>NCV</b>	Burrows.....b
<b>KKI</b>	Kilkenny.....b	<b>NCX</b>	Dreadnaught.....b
<b>KOKJ</b>	Eider.....b	<b>NCY</b>	Cæsar.....b
<b>KPE</b>	Seattle, Wash.....c	<b>NCZ</b>	Virginia Beach, Va.; Smith Island, Va.; Cape Henry, Va.; Hog Island, Va.....c
<b>KUVM</b>	Iloilo, P. I.....c	<b>NDA</b>	Castine.....b
<b>KUVS</b>	New York, N. Y.....c	<b>NDB</b>	Celtic.....b
<b>KUXG</b>	Malangas, P. I.....c	<b>NDD</b>	Sayville, N. Y.....c
<b>KUXJ</b>	Cebu, P. I.....c	<b>NDE</b>	Wilhelmina.....b
<b>KUXK</b>	Batangas, P. I.....c	<b>NDF</b>	California.....b
<b>NAA</b>	Washington, D. C., Navy Department; Radio, Va. (Arlington).....c	<b>NDG</b>	Cheyenne.....b
<b>NAB</b>	Portland, Me.....c	<b>NDH</b>	Cheyenne.....b
<b>NAC</b>	Portsmouth, N. H.....c	<b>NDI</b>	Chicago.....b
<b>NAD</b>	Fourth Cliff, Mass.; Deer Island, Mass.; Boston, Mass.; Gloucester, Mass. (Navy Yard).....c	<b>NDJ</b>	Gorgona.....b
<b>NAE</b>	Cape Cod, Mass.....c	<b>NDL</b>	Ecorse, Mich.....c
<b>NAF</b>	Coasters Harbor Island, Newport, R. I.; Watch Hill, R. I.; Newport, R. I.; and Price's Neck, R. I.....c	<b>NDM</b>	Cleveland.....b
<b>NAH</b>	Brooklyn Navy Yard; 44 Whitehall St.; Fire Island, L. I.; Montauk Point, L. I.; Mantotoking, N. J.; New York City, N. Y.; Rockaway Beach, N. Y.; Sandy Hook, N. J.; Sea Gate, N. Y.....c	<b>NDN</b>	Pueblo.....b
<b>NAI</b>	Philadelphia, Pa.....c	<b>NDO</b>	Comfort.....b
<b>NAJ</b>	Great Lakes, Ill.....c	<b>NDQ</b>	Connecticut.....b
<b>NAK</b>	Naval Academy, Md.....c	<b>NDR</b>	Lydonia.....b
<b>NAL</b>	Washington, D. C. (Navy Yard).....c	<b>NDT</b>	W. A. Edwards.....b
<b>NAM</b>	Norfolk, Va.; Hampton Roads, Va.....c	<b>NDU</b>	Culgoa.....b
<b>NAN</b>	Beaufort, N. C.; Cape Lookout, N. C.....c	<b>NDV</b>	S. P. 493 (Cahill).....b
<b>NAO</b>	Charleston, S. C.; Morris Island, S. C.....c	<b>NDW</b>	Cape Hatteras, N. C.....c
<b>NAP</b>	St. Augustine, Fla.....c	<b>NEK</b>	Delaware.....b
<b>NAQ</b>	Jupiter, Fla.....c	<b>NEM</b>	Denver.....b
<b>NAR</b>	Key West, Fla.....c	<b>NEN</b>	Des Moines.....b
<b>NAS</b>	Pensacola, Fla.....c	<b>NEO</b>	Stockton.....b
<b>NAT</b>	New Orleans, La.....c	<b>NEP</b>	Dixie.....b
<b>NAU</b>	San Juan, P. R.....c	<b>NEQ</b>	Dolphin.....b
<b>NAV</b>	Port Royal, S. C.....c	<b>NET</b>	Drayton.....b
<b>NAW</b>	Guantanamo Bay, Cuba.....c	<b>NEU</b>	Dubuque.....b
<b>NAX</b>	Colon, C. Z.....c	<b>NEV</b>	Savannah, Ga.....c
<b>NAY</b>	Point Isabel, Tex.....c	<b>NEX</b>	S. P. 1014 (Sea Rover).....c
<b>NAZ</b>	Managua, Nicaragua.....c	<b>NEY</b>	Old Constellation.....b
<b>NBA</b>	Balboa, C. Z.; Darien, C. Z.....b	<b>NFA</b>	Brooklyn.....b
<b>NBB</b>	St. Thomas, V. I.....b	<b>NFD</b>	El Cano.....b
<b>NBD</b>	Bar Harbor, Me. (Otter Cliffs).....c	<b>NFE</b>	Charleston.....b
<b>NBG</b>	Indian Head, Md.....c	<b>NFH</b>	Smith Island, Wash.....c
<b>NBI</b>	Alabama.....b	<b>NFI</b>	Jacksonville, Fla.....c
<b>NBJ</b>	Albany.....b	<b>NFL</b>	Cross Island, Me.....c
<b>NBL</b>	Alert.....b	<b>NFM</b>	Fanning.....b
<b>NBP</b>	Ammen.....b	<b>NFN</b>	Cattle Point, Wash.....c
<b>NBR</b>	Annapolis.....b	<b>NFQ</b>	Damuscov Island, Me.....c
<b>NBS</b>	Siasconsett, Mass.; Nantucket Island, Mass.....c	<b>NFR</b>	Florida.....b
<b>NUU</b>	Arethusa.....b	<b>NFT</b>	New Dungeness, Wash.; Port Angeles Wash.....c
<b>NBV</b>	Arkansas.....b	<b>NFU</b>	Nantucket.....b
<b>NBW</b>	Arizona.....b	<b>NFX</b>	Housatonic.....b
<b>NBX</b>	Burwood, La. (Pass a Loutre, La).....c	<b>NFY</b>	Intrepid.....b
<b>NBZ</b>	Baltimore, Md.....c	<b>NFZ</b>	Rainbow.....b
<b>NCA</b>	Nevada.....b	<b>NGA</b>	Columbia.....b
<b>NCB</b>	Oklahoma.....b	<b>NGB</b>	Minneapolis.....b
<b>NCC</b>	New York.....b	<b>NGC</b>	Boston.....b
<b>NCD</b>	Texas.....b	<b>NGD</b>	Galveston.....b
<b>NCE</b>	Pennsylvania.....b	<b>NGE</b>	Miami, Fla.....b
<b>NCF</b>	Bailey.....b	<b>NGF</b>	Georgia.....b
<b>NCH</b>	Baltimore.....b	<b>NGG</b>	Olympia.....b
<b>NCJ</b>	W. J. Courtney.....b	<b>NGH</b>	Glacier.....b
<b>NCL</b>	Beale.....b	<b>NGI</b>	Chattanooga.....b
		<b>NGJ</b>	Goldshborough.....b
		<b>NGK</b>	Marblehead.....b
		<b>NGL</b>	Tampa, Fla.....c
		<b>NGM</b>	Astoria.....b
		<b>NGN</b>	Pensacola.....c
		<b>NGO</b>	S. B. London.....b
		<b>NGP</b>	Beaufort.....b
		<b>NGQ</b>	Quincy.....b

**GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.**

Call.	Station.		Call.	Station.	
NGR	Bridgeport.....	b	NKU	Shaw.....	b
NGS	Savannah.....	b	NKV	Tucker.....	b
NGT	Mobile, Ala.....	c	NKW	Wadsworth.....	b
NGU	Hannibal.....	b	NKX	Wainwright.....	b
NGV	Hartford.....	b	NKZ	Navajo.....	b
NGW	Wolverine.....	b	<b>NLA</b>	Light Vessel No. 85, Nantucket Shoals.c	
NGY	Helena.....	b	NLC	Light Vessel No. 94, Frying Pan Shoals.....	c
NGZ	Houston.....	b			
<b>NHA</b>	Henley.....	b	<b>NLD</b>	Bird Island, Calif.....	c
NHD	Monadnock.....	b	NLF	Kukui.....	b
NHF	Isabel.....	b	NLG	Point Reyes, Calif.....	c
NHH	Ozark.....	b	NLH	Point Montana, Calif.....	c
NHI	Hancock.....	b	NLI	Grand Island, La.....	c
NHL	Westport, Wash.....	c	NLK	Pathfinder.....	b
NHN	Idaho.....	b	NLL	Bache.....	b
NHO	Illinois.....	b	NLM	Columbine.....	b
NHQ	Indiana.....	b	NLP	Cypress.....	b
NHS	Gulfport.....	b	NLS	Light Vessel No. 81, Heald Bank.....	c
NHT	Iowa.....	b	NLT	Light Vessel No. 68, Fire Island.....	c
NHU	Roanoke.....	b	NLU	Orchid.....	b
NHV	Iroquois.....	b	NLV	Manzanita.....	b
NHW	Kittery.....	b	NLW	Sequoia.....	b
NHY	Bath.....	b	NLX	Cedar.....	b
NHZ	Newport News.....	b	<b>NLY</b>	Samar.....	b
<b>NIB</b>	Jarvis.....	b	<b>NLZ</b>	Topeka.....	b
NID	Jenkins.....	b	<b>NMA</b>	Constitution (old).....	b
NIE	Jouett.....	b	<b>NMB</b>	Nebraska.....	b
NIH	Aylwin.....	b	NMC	Manita, Cuba.....	c
NII	Balch.....	b	NMD	Vestal.....	b
NIJ	Benham.....	b	NME	Point Hueneme, Calif.....	c
NIK	Cassin.....	b	NMF	New Hampshire.....	b
NIL	Cummings.....	b	NMG	New Jersey.....	b
NIM	Cushing.....	b	NMH	New Orleans.....	b
NIN	Downes.....	b	NMK	Newport.....	b
NIO	Kansas.....	b	NML	Aroostook.....	b
NIP	Kearsarge.....	b	NMN	Shawmut.....	b
NIQ	Kentucky.....	b	NMO	Charlotte.....	b
NIR	Duncan.....	b	NMS	North Dakota.....	b
NIS	Ericsson.....	b	NMW	Neptune.....	b
NIT	McDougal.....	b	NMZ	Ohio.....	b
NIU	Nicholson.....	b	<b>NNA</b>	Oregon.....	b
NIV	O'Brien.....	b	<b>NNB</b>	Brutus.....	b
NIX	Corker.....	b	NNC	Jason.....	b
NIZ	Lebanon.....	b	NND	Langley.....	b
<b>NJA</b>	Winslow.....	b	NNE	Kanawha.....	b
NJB	Louisiana.....	b	NNF	Majmee.....	b
NJD	Allen.....	b	NNG	Nereus.....	b
NJE	Conyngham.....	b	NNH	Proteus.....	b
NJF	Davis.....	b	NNI	Leonidas.....	b
NJG	San Domingo City, D. R.....	c	NNK	St. Croix, V. I.....	c
NJI	S. P. 951 (Utowana)	b	NNL	Nanshan.....	b
NJJ	Wenonah.....	b	NNM	Coco Solo, C. Z.....	c
NJL	Maine.....	b	NNQ	Saturn.....	b
NJM	Yacona.....	b	NNT	S. P. 813 (Corona).....	b
NJO	Rappahannock.....	b	NNW	Cape Mala, R. P.....	c
NJR	Mars.....	b	NNX	La Palma, R. P.....	c
NJS	Frederick.....	b	NNZ	Undaunted.....	b
NJT	Massachusetts.....	b	<b>NOA</b>	Buffalo, N. Y.....	c
NJU	Mayrant.....	b	NOB	Osceola.....	b
NJV	Mayflower (President's yacht).....	b	NOC	Abarendo.....	b
NJW	McCall.....	b	NOD	Orion.....	b
NJX	Willoughby.....	b	NOE	Cuyama.....	b
NJY	Port Arthur, Tex.....	c	NOF	Penobscot.....	b
NJZ	Michigan.....	b	<b>NOG</b>	U. S. Naval Research Laboratory, Anacostia, D. C.....	c
<b>NKA</b>	Melville.....	b	NOH	Paducah.....	b
NKB	Galveston, Tex.....	c	NOI	Henderson.....	b
NKC	Navassa Island, W. I.....	c	NOJ	Briggs.....	b
NKD	Minnesota.....	b	NOK	Panther.....	b
NKE	Mississippi.....	b	NOL	Patterson.....	b
NKF	Missouri.....	b	NOM	Patapsco.....	b
NKG	S. P. 1116 (Genesee).....	b	NON	Patuxent.....	b
NKK	Mercy.....	b	NOO	Paulding.....	b
NKL	Monaghan.....	b	NOT	Porter.....	b
NKM	Missoula.....	b	NOW	Pittsburg.....	b
NKN	Monterey.....	b	NOX	Peoria.....	b
NKP	S. P. 714 (Galatea).....	b	NOZ	Perkins.....	b
NKQ	Wilkes.....	b	<b>NPA</b>	Petrel.....	b
NKR	Rowan.....	b	NPB	Cordova, Alaska.....	c
NKS	Sampson.....	b		Sitka, Alaska.....	c
NKT	Schley.....	b			

GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call.	Station.	Call.	Station.
NPC	Puget Sound, Wash.....c	NSN	Conner.....b
NPD	Tatoosh, Wash.....c	NSP	Arapaho.....b
NPE	North Head, Wash.; Fort Stevens, Oreg.....c	NSR	Frankfort, Mich.....c
NPF	Marshfield, Oreg.....c	NSS	Annapolis, Md. (H. Power).....c
NPG	San Francisco, Calif.; Mare Island, Calif.; Yerba Buena, Calif.; Hillcrest, Calif.; San Francisco Beach, Calif.....c	Solace.....b	
NPH	Vladivostok, Siberia.....c	NSU	Vixen.....b
NPI	Farallons, Calif.....c	NSW	South Carolina.....b
NPJ	American Consulate, Shanghai, China.....c	NSX	Huron.....b
NPK	Point Arguello, Calif.....c	NSY	Grand Haven, Mich.....c
NPL	San Diego, Calif.....c	NSZ	Cumberland.....b
NPM	Hecla Point, Hawaii; Pearl Harbor, Hawaii.....c	NTA	Ontario.....b
NPN	Guam, Guam.....c	NTB	Sterrett.....b
NPO	Cavite, P. I.....c	NTD	S. P. 1161 (Francis B. Hackeit).....b
NPP	Peking, China.....c	NTE	Raleigh.....b
NPQ	St. Paul, Alaska.....c	NTF	Saint Louis.....b
NPR	Dutch Harbor, Alaska.....c	NTG	Sonoma.....b
NPS	Kodiak, Alaska.....c	NTK	Supply.....b
NPT	Olongapo, P. I.....c	NTL	Sylph.....b
NPU	Tutuila, Samoa.....c	NTM	Ludington, Mich.....c
NPV	Seward, Alaska.....c	MTN	Fairfax.....b
NPW	Eureka, Calif.....c	NTO	Mohave.....b
NPX	San Pedro, Calif.; Inglewood, Calif.; Point Fermin, Calif.....c	NTP	Salem.....b
NPY	St. George, Alaska.....c	NTQ	San Francisco.....b
NPZ	Keyport, Wash.....c	NTR	Rochester.....b
<b>NQB</b>	Ashtabula, Ohio.....c	NTT	Scorpion.....b
NQE	Nahant.....b	NTW	Appledore Island, Me.....c
NQF	Pompey.....b	NTX	Rhode Island.....b
NQH	Concord.....b	NTY	Manitowac, Wis.....c
NQK	Potomac.....b	NTZ	Roe.....b
NQL	Machias.....b	<b>NUA</b>	Tacoma.....b
NQM	Prairie.....b	NUB	Manistique, Mich.....c
NQP	S. P. 524 (Margaret).....b	NUC	Tallahassee.....b
NQQ	Monocacy.....b	NUD	Mackinac Island, Mich.....c
NQR	Prometheus.....b	NUG	Calumet, Mich.....c
NQS	Palos.....b	NUH	Pawnee.....b
NQT	Pampanga.....b	NUI	Terry.....b
NQU	Surveyor.....b	NUJ	Pawtucket.....b
NQV	Sacramento.....b	NUK	Milwaukee, Wis.....c
NQW	New Mexico.....b	NUL	Pentucket.....b
NQX	Yorktown.....b	NUN	Tonopah.....b
NQY	Albatross.....b	NUQ	Trippie.....b
NQZ	Quirios.....b	NUR	Chicago, Ill.....c
<b>NRA</b>	Algonquin.....b	NUT	Rocket.....b
NRB	Bear.....b	NUU	Samoset.....b
NRC	Morrill.....b	NUV	Sebago.....b
NRD	Androscoggin.....b	NUX	Duluth, Minn.....c
NRE	Seneca.....b	NUZ	Astoria, Oreg.....c
NRF	Snohomish.....b	<b>NVA</b>	Traffic.....b
NRG	Gresham.....b	NVC	Triton.....b
NRH	Cleveland, Ohio.....c	NVD	Juneau, Alaska.....c
NRI	Itaska.....b	NVE	Utah.....b
NRJ	Ossipee.....b	NVF	Uncas.....b
NRK	Puerto Obaldia, R. P.....c	NVH	Ketchikan, Alaska.....c
NRL	Tuscarora.....b	NVI	Wahneta.....b
NRN	Manning.....b	NVJ	Wompatuck.....b
NRO	Onondaga.....b	NVK	Vermont.....b
NRQ	Detroit, Mich.....c	NVL	Seattle, Wash.....c
NRR	Pamlico.....b	NVN	Vicksburg.....b
NRS	Seminole.....b	NVP	Villalobos.....b
NRT	Little.....b	NVR	Virginia.....b
NRU	Acushnet.....b	NVS	Farragut.....b
NRV	Tallapoosa.....b	NVT	Vulcan.....b
NRW	Comanche.....b	NVU	Bagley.....b
NRX	Unalga.....b	NVV	Barney.....b
NRY	Yamacraw.....b	NVW	Biddle.....b
NRZ	New London, Conn.....c	NVX	Blakely.....b
<b>NSC</b>	Port au Prince, Haiti.....c	NVZ	Dahlgren.....b
NSD	Cape May, N. J.; Cape Henlopen; Bethany Beach, Del.....c	<b>NWB</b>	DeLong.....b
NSE	Tennessee.....b	NWC	DuPont.....b
NSF	Anacostia, D. C.....c	NWD	Warrington.....b
NSH	Manley.....b	NWE	Washington.....b
NSI	Caldwell.....b	NWF	Foote.....b
NSJ	U. S. Naval Radio Research Laboratory, Bureau of Standards, D. C.....c	NWG	Huntington.....b
NSK	Yankton.....b	NWH	Wheeling.....b
NSM	Alpena, Mich.....c	NWJ	Fox.....b
		NWK	Wilmington.....b
		NWL	Walke.....b
		NWM	Wisconsin.....b
		NWN	Wilmington, N. C.....c
		NWQ	Wyoming.....b
		NWS	Morris.....b

**GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.**

Call.	Station.	Call.	Station.
NWT	Rogers.....	c	NAKN Hibiscus.....
NWU	Shubrick.....	b	NAKQ S. P. 415 (Kemah).....
NWV	Somers.....	b	NAKS Light Vessel No. 70, San Francisco.....
NWX	Thornton.....	b	NAKT Light Vessel No. 69, Overfalls.....
NWY	Tingey.....	b	NAKV Ivy.....
<b>NXA</b>	Chatham, Mass.....	c	NAKX Kilti.....
NXB	A-2.....	b	NALC Lapwing.....
NXC	A-3.....	b	NALK Lykens.....
NXD	A-4.....	b	NALL Iris.....
NXE	A-5.....	b	NALP Kingfisher.....
NXF	A-6.....	b	NALQ S. P. 164 (May).....
NXG	A-7.....	b	NALR Taylor.....
NXH	B-1.....	b	NALS Light Vessel No. 87, Ambrose Channel.....
NXI	B-2.....	b	NALT Ringgold.....
NXJ	B-3.....	b	NALV Laurel.....
NXK	C-1.....	b	NALZ Stoddard.....
NXL	C-2.....	b	NAMB Larkspur.....
NXM	C-3.....	b	NAMC Mexican.....
NXN	C-4.....	b	NAMD Reno.....
NXO	C-5.....	b	NAMG General Alava.....
NXP	D-1.....	b	NAMM Nokomis.....
NXQ	D-2.....	b	NAMN Narragansett.....
NXR	D-3.....	b	NAMQ Nopatin.....
NXS	E-1.....	b	NAMR O-3.....
NXT	E-2.....	b	NAMS Light Vessel No. 74, Portland.....
NXU	Azalea.....	b	NAMT Boggs.....
NXV	F-2.....	b	NAMV Madrono.....
NXW	F-3.....	b	NAMX O-4.....
NXX	Tulip.....	b	NAMZ O-5.....
NXY	G-1.....	b	NANB O-6.....
NXZ	G-2.....	b	NANC O-7.....
<b>NYA</b>	G-3.....	b	NAND O-8.....
NYB	G-4.....	b	NANJ Plattsburg.....
NYC	H-1.....	b	NANQ Robin.....
NYD	H-2.....	b	NANS Light Vessel No. 47, Pollock Rip.....
NYE	H-3.....	b	NANT Light Vessel No. 5, Stone Horse Shoals.....
NYF	K-1.....	b	NANV Mangrove.....
NYG	K-2.....	b	NANX Sagamore.....
NYH	K-3.....	b	NANZ Farquhar.....
NYI	K-4.....	b	NAPG Seattle.....
NYJ	K-5.....	b	NAPK Stevens.....
NYK	K-6.....	b	NAPL Talbot.....
NYL	K-7.....	b	NAPM Converse.....
NYM	K-8.....	b	NAPN Teal.....
NYN	L-1.....	b	NAPP Light Vessel No. 42, Hen and Chickens.....
NYO	L-2.....	b	NAPR Camden.....
NYP	L-3.....	b	NAPS Magnolia.....
NYQ	L-4.....	b	NAPV Maple.....
NYR	L-5.....	b	NAQB Light Vessel No. 20.....
NYS	L-6.....	b	NAQC Piscataqua.....
NYT	L-7.....	b	NAPF Widgeon.....
NYU	L-8.....	b	NAPJ Rail.....
NYV	L-9.....	b	NAQM S. P. 2047 (Moosehead).....
NYW	L-10.....	b	NAQN Paul Hamilton.....
NYX	L-11.....	b	NAQS Light Vessel No. 3, Handkerchief.....
NYY	M-1.....	b	NAQV Marigold.....
<b>NZA</b>	Mohican.....	b	NARC Maryland.....
NZC	Bushnell.....	b	NARF Wandank.....
NZD	Fulton.....	b	NABJ Light Vessel No. 66.....
NZE	N-1.....	b	NABP Anemone.....
NZF	N-2.....	b	NABR Samoa.....
NZG	N-3.....	b	NABS Tanager.....
NZH	N-4.....	b	NABT Light Vessel No. 93, Swiftsure Bank.....
NZI	N-5.....	b	NABV Light Vessel No. 80, Cape Lookout
NZJ	N-6.....	b	Shoals.....
NZK	N-7.....	b	NABX Light Vessel No. 84, Brunswick.....
NZL	Avalon, Calif.....	c	NABZ AA-3.....
NZQ	Mayflower.....	b	NACB Apache.....
NZR	Cayey, P. R.....	c	NACD Relief Light Vessel No. 76.....
NZW	North Island, S. C.....	c	NACL Hale.....
NZZ	Zizania.....	b	NACN Dyer.....
<b>NABB</b>	AA-2.....	b	NACP Stringham.....
NABC	Niagara.....	b	NACQ McKee.....
NABG	Charles S. Osborne.....	b	NACR Rathburne.....
NAJT	Light Vessel No. 88, Columbia River.....	c	Owl.....
NAJV	Light Vessel No. 101, Cape Charles.....	b	NACT Light Vessel No. 83, Blunt's Reef.....
NAJX	Robinson.....	b	NACV Light Vessel No. 67, Umatilla Reef.....
NAJZ	Welles.....	b	NACX Light Vessel No. 41, Vineyard Sound.....
NAKC	Gypsum Queen.....	b	NACZ Allegheny.....
NAKD	Ajax.....	b	NADB Relief Light Vessel No. 92.....
NAKL	Heather.....	b	NADD Arcata.....

GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call.	Station.		Call.	Station.	
NADF	Crowninshield.....	b	NAZQ	Tadoussac.....	b
NADL	Kimberley.....	b	NAZR	Light Vessel No. 46, Tail of Horseshoe.....	c
NADP	Avocet.....	b	NAZS	Kalmia.....	b
NADQ	S. P. 1232 (Barnegat).....	b	NAZV	Relief Light Vessel No. 4.....	c
NADT	Light Vessel No. 91, Winter Quarter Shoals.....	c	NAZZ	Robert L. Barnes.....	b
NADV	Light Vessel No. 79, Five Fathom Bank.....	c	NEBF	Constitution.....	b
NADX	Light Vessel No. 54, Boston.....	c	NEBJ	Meade.....	b
NAFC	Dickerson.....	b	NEBV	H-9.....	b
NAFF	Brant.....	b	NECD	S. P. 2225 (Navigator).....	b
NAFL	Leary.....	b	NECR	Colorado.....	b
NAFN	Cardinal.....	b	NECT	Penguin.....	b
NAFP	Cayuga.....	b	NECV	Palmer.....	b
NAFS	Burns.....	b	NECZ	Sotoyomo.....	b
NAFT	Light Vessel No. 73, Pollock Rip Slue.....	c	NEDB	Lexington.....	b
NAFV	Fern.....	b	NEDF	Constellation.....	b
NAFX	R-17.....	b	NEDG	Philip.....	b
NAFZ	Semmes.....	b	NEDJ	West Virginia.....	b
NAGB	O-9.....	b	NEDN	Ozette.....	b
NAGC	Satterlee.....	b	NEDX	Nero.....	b
NAGG	Mason.....	b	NEFC	H-6.....	b
NAGJ	Graham.....	b	NEFK	Pelican.....	b
NAGL	Chandler.....	b	NEFL	Swallow.....	b
NAGM	Arbutus.....	b	NEFS	S. P. 181 (Helori).....	b
NAGP	S. P. 1128 (Conestoga).....	b	NEFT	Unadilla.....	b
NAGQ	Curacao.....	b	NEFZ	Long Beach.....	b
NAGS	Ward.....	b	NEG C	R-18.....	b
NAGT	Light Vessel No. 102, South Pass, La.....	c	NEGD	Luce.....	b
NAGV	Hyacinth.....	b	NEGF	Dent.....	b
NAGX	Gwin.....	b	NEG K	R-19.....	b
NAJB	Sigourney.....	b	NEGS	Fortune.....	b
NAJC	Relief Light Vessel No. 53.....	c	NEJB	Eagle 1.....	b
NAJD	Black Hawk.....	b	NEJC	Eagle 2.....	b
NAJJ	Relief Light Vessel No. 86.....	c	NEJD	Eagle 3.....	b
NAJK	Southard.....	b	NEJF	Eagle 4.....	b
NAJL	Colhoun.....	b	NEJG	Eagle 5.....	b
NAJN	Favorite.....	b	NEJJ	Eagle 6.....	b
NAJP	Finch.....	b	NEJK	Eagle 7.....	b
NAJQ	Bancroft.....	b	NEJL	Eagle 8.....	b
NAJR	Gregory.....	b	NEJM	Eagle 9.....	b
NAJS	Light Vessel No. 52, Fenwick Island Shoals.....	c	NEJN	Eagle 10.....	b
NARG	Chemung.....	b	NEJP	Eagle 11.....	b
NARN	S. P. 1213 (Montauk).....	b	NEJQ	Eagle 12.....	b
NARP	Aramis.....	b	NEJR	Eagle 13.....	b
NARQ	Sylvia.....	b	NEJS	Eagle 14.....	b
NAR R	William Jones.....	b	NEJT	Eagle 15.....	b
NARS	Light Vessel No. 44, Northeast End, N. J.....	c	NEJV	McGourty.....	b
NART	Light Vessel No. 1, Martin's Industry.....	c	NEJX	Eagle 17.....	b
NARV	Light Vessel No. 11, Scotland.....	c	NEJZ	Eagle 18.....	b
NARX	Light Vessel No. 23, Ram Island Reef.....	c	NEKB	NEK C	Scally.....
NARZ	R-20.....	b	NEKD	Bothwell.....	b
NASB	Light Vessel No. 39, Brenton Reef.....	c	NEKF	Earp.....	b
NASC	Light Vessel No. 48, Cornfield Point.....	c	NEKG	Eagle 23.....	b
NASD	Rose.....	b	NEKK	Eagle 25.....	b
NASG	Sumac.....	b	NEKM	S. P. 724 (Fearless).....	b
NASK	Relief Light Vessel No. 16.....	b	NEKN	Falcon.....	b
NASM	O-16.....	b	NEKP	Harbor Tug No. 74.....	b
NASV	R-15.....	b	NEKQ	Champlin.....	b
NASX	R-16.....	b	NEKR	Hercules.....	b
NATD	Light Vessel No. 9, Hedge Fence.....	c	NEKS	S. P. 1015 (Challenge).....	b
NATF	Woolsey.....	b	NEKZ	Manhattan.....	b
NATG	Bell.....	b	NELB	Saratoga.....	b
NATJ	Wickes.....	b	NELF	Ranger.....	b
NATM	Woodbury.....	b	NELG	Dorsey.....	b
NATS	Umpqua.....	b	NELK	Pyro.....	b
NATT	Walters.....	b	NELL	Nitro.....	b
NAVM	Explorer.....	b	NELN	H-8.....	b
NAVS	Stribling.....	b	NELR	Contocook.....	b
NAXJ	Montgomery.....	b	NELV	Ashville.....	b
NAXK	Murray.....	b	NELX	Aaron Ward.....	b
NAXN	Kewaydin.....	b	NEMC	Medusa.....	b
NAXS	O-15.....	b	NEMD	Sara Thompson.....	b
NAXT	O-10.....	b	NEMG	Schenck.....	b
NAZC	Thompson.....	b	NEMJ	Herbert.....	b
NAZJ	Light Vessel No. 34, Charleston.....	c	NEML	Branch.....	b
NAZL	Lamberton.....	b	NEMS	Evans.....	b
NAZM	Kennedy.....	b	NEMT	McKean.....	b
NAPZ	Bagaduce.....	b	NEMV	Harding.....	b
			NEMX	Gridley.....	b
			NEMZ	Chew.....	b

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## GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call.	Station.	Call.	Station.
NENG	Israel.....b	NEVX	Mackenzie.....b
NENJ	Herndon.....b	NEVZ	Renshaw.....b
NENL	Heron.....b	NEXB	Radford.....b
NENM	Dallas.....b	NEXC	Keosauqua.....b
NENN	Atlantic.....b	NEXF	Eagle 26.....b
NENS	Hazelwood.....b	NEXG	Eagle 27.....b
NENT	Williams.....b	NEXJ	O-1.....b
NENV	Hart.....b	NEXK	U-117.....b
NENX	Ingraham.....b	NEXL	Knudsen.....b
NENZ	Ludlow.....b	NEXM	Eagle 28.....b
NEPB	Hovey.....b	NEZN	Eagle 29.....b
NEPD	J. D. Long.....b	NEXP	Carr.....b
NEPF	Broome.....b	NEXR	Mugford.....b
NEPG	Maury.....b	NEXS	O'Bannon.....b
NEPQ	Relief Hospital Ship No. 1.....c	NEXT	Hogan.....b
NEPS	Tattmall.....b	NE XV	Stansbury.....b
NEPT	Badger.....b	NEXX	Hopewell.....b
NEPV	Twiggs.....b	NEZX	Haraden.....b
NEPX	Babbitt.....b	NEZG	Eagle 31.....b
NEPZ	Jacob Jones.....b	NEZZ	Eagle 32.....b
NEQF	Montcalm.....b	NEZN	O-13.....b
NEQK	Mahan.....b	NEZP	Tarbell.....b
NEQL	Oil Barge No. 9.....b	NEZQ	Delphy.....b
NEQM	H-4.....b	NEZR	Gamble.....b
NEQP	U-C-97.....b	NEZS	Abbot.....b
NEQQ	Beaver.....b	NEZT	Clemson.....b
NEQS	Buchanan.....b	NEZV	Hatfield.....b
NEQT	Tillman.....b	NEZZ	Brooks.....b
NEQX	Kennison.....b	NEZZ	Belknap.....b
NEQZ	Claxton.....b	<b>NIBB</b>	Eagle 33.....b
NERB	Gilmor.....b	NIBC	Eagle 39.....b
NERD	U-148.....b	NIBD	Eagle 34.....b
NERG	Aulick.....b	NIBF	Eagle 40.....b
NERJ	Craven.....b	NIBG	Eagle 35.....b
NERL	Lansdale.....b	NIBJ	Eagle 41.....b
NERQ	Turner.....b	NIBK	Eagle 36.....b
NERR	Gillis.....b	NIBL	Eagle 42.....b
NERS	Upshur.....b	NIBM	Eagle 37.....b
NERT	Greer.....b	NIBN	Eagle 38.....b
NERV	Elliot.....b	NIBP	Eagle 43.....b
NERX	Roper.....b	NIBQ	Eagle 44.....b
NERZ	Breckinridge.....b	NIBR	Eagle 45.....b
NESB	S. P. Lee.....b	NIBS	Eagle 46.....b
NESC	Relief Light Vessel No. 49.....c	NIBT	Eagle 47.....b
NESD	U-B-88.....b	NIBV	Eagle 48.....b
NESG	Young.....b	NIBX	Eagle 49.....b
NESJ	H-7.....b	NIBZ	Eagle 50.....b
NESM	Breese.....b	NICB	Eagle 51.....b
NESN	S. P. 1121 (Osborne).....b	NICC	Eagle 52.....b
NESS	Bernadou.....b	NICD	Eagle 53.....b
NEST	Cole.....b	NICF	Eagle 54.....b
NESV	Thatcher.....b	NICG	Eagle 55.....b
NESX	Walker.....b	NICJ	Eagle 56.....b
NESZ	Crosby.....b	NICK	Eagle 57.....b
NETB	McFarland.....b	NICL	Eagle 58.....b
NETD	Mahopac.....b	NICM	Eagle 59.....b
NETF	Lea.....b	NICN	Eagle 60.....b
NETG	H-5.....b	NICP	Cygan.....b
NETJ	O-2.....b	NIDB	Quigley.....b
NETK	O-11.....b	NIDC	Stellenwerf.....b
NETL	O-12.....b	NIDF	Dispatch.....b
NETQ	Tatnuck.....b	NIDG	Richards.....b
NETS	Meredith.....b	NIDL	Mehalatos.....b
NETT	Bush.....b	NIFB	Crane.....b
NETV	Cowell.....b	NIFC	Ramsay.....b
NETX	Maddox.....b	NIFD	Ellis.....b
NETZ	Koka.....b	NIFF	Chauncey.....b
NEVB	Summadin.....b	NIFG	Fuller.....b
NEVC	Napa.....b	NIFJ	Percival.....b
NEVD	O-14.....b	NIFK	Brazos.....b
NEVG	U-111.....b	NIFL	Hamilton.....b
NEVK	Sciota.....b	NIFM	Howard.....b
NEVL	Pinola.....b	NIFN	Thomas.....b
NEVM	Oriole.....b	NIFP	Neches.....b
NEVP	Algorma.....b	NIFQ	Pecos.....b
NEVQ	Carabasset.....b	NIFR	Torpedo Test Barge No. 1.....b
NEVR	Iuka.....b	NIFS	Torpedo Test Barge No. 2.....b
NEVS	Anthony.....b	NIFT	Coast Torpedo Boat No. 6.....b
NEVT	Sproston.....b	NIFV	Cyan.....b
NEVV	Rizal.....b	NIFX	Torpedo Test Barge No. 3.....b

GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call.	Station.		Call.	Station.
NIFZ	Torpedo Test Barge No. 4	b	NIMV	S-12
NIGB	McCook	b	NIMX	S-13
NIGC	McCalla	b	NIMZ	S-14
NIGD	Kalk	b	NINB	S-15
NIGF	Ingram, Osmund	b	NINC	S-16
NIGG	McDermut	b	NIND	S-17
NIGJ	Laub	b	NINF	S-18
NIGK	McLanahan	b	NING	S-19
NIGL	Edwards	b	NINJ	S-20
NIGM	Greene	b	NINK	S-21
NIGN	Ballard	b	NINL	S-22
NIGP	Swasey	b	NINM	S-23
NIGQ	John Francis Burns	b	NINN	S-24
NIGR	J. Fred Talbott	b	NINP	S-25
NIGS	Yarnall	b	NINQ	S-26
NIGT	Cook	b	NINR	S-27
NIJB	Curlew	b	NINS	S-28
NIJF	Turkey	b	NINT	S-29
NIJG	Partridge	b	NINV	S-30
NIJH	Bobolink	b	NINX	S-31
NIJK	Lark	b	NINZ	S-32
NIJL	Osprey	b	NIPB	S-33
NIJM	Seagull	b	NIPC	S-34
NIJN	Flamingo	b	NIPD	S-35
NIJP	Swan	b	NIPF	S-36
NIQQ	Whippoorwill	b	NIPG	S-37
NIJR	Bittern	b	NIPJ	S-38
NIJS	Sanderling	b	NIPK	S-39
NIJT	Auk	b	NIPL	S-40
NIJV	Chewink	b	NIPM	S-41
NIJX	Gannet	b	NIPN	S-42
NIKB	Mallard	b	NIPP	S-43
NIKC	Ortolan	b	NIPQ	S-44
NIKD	Peacock	b	NIPR	S-45
NIKF	Pigeon	b	NIPS	S-46
NIKG	Redwing	b	NIPT	S-47
NIKK	Sandpiper	b	NIPV	S-48
NIKL	Vireo	b	NIPX	S-49
NIKM	Warbler	b	NIPZ	S-50
NIKN	Willet	b	NIQB	Submarine chaser No. 425
NIKP	Woodcock	b	NIQC	Submarine chaser No. 426
NIKQ	Quail	b	NIQD	Submarine chaser No. 427
NIKR	Eider	b	NIQE	Submarine chaser No. 428
NIKS	Thrush	b	NIQG	Submarine chaser No. 429
NIKT	Tern	b	NIQJ	Submarine chaser No. 430
NIKV	Cormorant	b	NIQK	S-51
NIKX	Grebe	b	NIQL	Submarine chaser No. 432
NIKZ	Raven	b	NIQP	Johansson
NILB	AA-1	b	NIQT	Submarine chaser No. 439
NILO	R-1	b	NIQV	Submarine chaser No. 440
NIID	R-2	b	NIQX	Submarine chaser No. 441
NIIF	R-3	b	NIRB	Submarine chaser No. 443
NIIG	R-4	b	NIRC	Submarine chaser No. 444
NIIL	R-5	b	NISB	Tingard
NIILK	R-6	b	NISC	Klingelhoefer
NIILL	R-7	b	NISD	Boyce
NIILM	R-8	b	NISG	South Dakota
NIILN	R-9	b	NISJ	Montana
NIILP	R-10	b	NIJK	North Carolina
NIILQ	R-11	b	NITB	Taylor
NIILR	R-12	b	NITK	Larsen
NIILS	R-13	b	NITL	Nansemond
NIILT	R-14	b	NITQ	Light Vessel No. 72, Diamond Shoals
NIILV	R-21	b	NITR	c Relief Light Vessel No. 78
NIILX	R-22	b	NITS	c Relief Light Vessel No. 90
NIILZ	R-23	b	NIXG	Smith (C. G.)
NIMB	R-24	b	NIZD	Oveson (C. G.)
NIMC	R-25	b	<b>NOBJ</b>	Submarine chaser No. 17
NIMD	R-26	b	NOBL	Submarine chaser No. 19
NIMF	R-27	b	NOBN	Submarine chaser No. 21
NIMG	S-1	b	NOBQ	Submarine chaser No. 23
NIMJ	S-2	b	NOBR	Submarine chaser No. 24
NIMK	S-3	b	NOBS	Submarine chaser No. 25
NIML	S-4	b	NOBT	Submarine chaser No. 26
NIMM	S-5	b	NOBZ	Submarine chaser No. 35
NIMN	S-6	b	NOCB	Submarine chaser No. 36
NIMP	S-7	b	NOCC	Submarine chaser No. 37
NIMQ	S-8	b	NOCG	Submarine chaser No. 40
NIMR	S-9	b	NOCK	Submarine chaser No. 42
NIMS	S-10	b	NOCL	Submarine chaser No. 43
NIMT	S-11	b	NOCM	Submarine chaser No. 44

## GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NOCN	Submarine chaser No. 45.....	b	NOMM	Submarine chaser No. 191.....
NOCP	Submarine chaser No. 46.....	b	NOMN	Submarine chaser No. 192.....
NOCQ	Submarine chaser No. 47.....	b	NOMP	Submarine chaser No. 193.....
NOCR	Submarine chaser No. 48.....	b	NOMQ	Submarine chaser No. 194.....
NOCS	Submarine chaser No. 49.....	b	NOMR	Submarine chaser No. 195.....
NOCT	Submarine chaser No. 50.....	b	NOMS	Submarine chaser No. 196.....
NOCV	Submarine chaser No. 51.....	b	NONJ	Submarine chaser No. 206.....
NOCX	Submarine chaser No. 52.....	b	NONL	Submarine chaser No. 208.....
NOCZ	Submarine chaser No. 53.....	b	NONN	Submarine chaser No. 210.....
NODB	Submarine chaser No. 54.....	b	NONP	Submarine chaser No. 211.....
NODC	Submarine chaser No. 55.....	b	NONQ	Submarine chaser No. 212.....
NODD	Submarine chaser No. 56.....	b	NONR	Submarine chaser No. 213.....
NODF	Submarine chaser No. 57.....	b	NONS	Submarine chaser No. 214.....
NODM	Submarine chaser No. 62.....	b	NONT	Submarine chaser No. 215.....
NODN	Submarine chaser No. 63.....	b	NONV	Submarine chaser No. 216.....
NODP	Submarine chaser No. 64.....	b	NONX	Submarine chaser No. 217.....
NODQ	Submarine chaser No. 68.....	b	NONZ	Submarine chaser No. 218.....
NODR	Submarine chaser No. 69.....	b	NOPB	Submarine chaser No. 220.....
NODS	Submarine chaser No. 70.....	b	NOPC	Submarine chaser No. 221.....
NODT	Submarine chaser No. 71.....	b	NOPD	Submarine chaser No. 222.....
NODV	Submarine chaser No. 72.....	b	NOPF	Submarine chaser No. 223.....
NODX	Submarine chaser No. 73.....	b	NOPG	Submarine chaser No. 224.....
NODZ	Submarine chaser No. 74.....	b	NOPJ	Submarine chaser No. 225.....
NOFB	Submarine chaser No. 77.....	b	NOPK	Submarine chaser No. 226.....
NOFT	Submarine chaser No. 91.....	b	NOPM	Submarine chaser No. 228.....
NOFX	Submarine chaser No. 93.....	b	NOPN	Submarine chaser No. 229.....
NOGB	Submarine chaser No. 95.....	b	NOPP	Submarine chaser No. 230.....
NOGC	Submarine chaser No. 96.....	b	NOPQ	Submarine chaser No. 231.....
NOGD	Submarine chaser No. 97.....	b	NOPR	Submarine chaser No. 232.....
NOGF	Submarine chaser No. 98.....	b	NOPV	Submarine chaser No. 235.....
NOGJ	Submarine chaser No. 100.....	b	NOPX	Submarine chaser No. 236.....
NOGK	Submarine chaser No. 101.....	b	NOPZ	Submarine chaser No. 237.....
NOGL	Submarine chaser No. 102.....	b	NOQB	Submarine chaser No. 238.....
NOGM	Submarine chaser No. 103.....	b	NOQC	Submarine chaser No. 239.....
NOGN	Submarine chaser No. 104.....	b	NOQD	Submarine chaser No. 240.....
NOGP	Submarine chaser No. 105.....	b	NOQF	Submarine chaser No. 241.....
NOQQ	Submarine chaser No. 106.....	b	NOQQ	Submarine chaser No. 242.....
NOGR	Submarine chaser No. 107.....	b	NOQJ	Submarine chaser No. 244.....
NOGT	Submarine chaser No. 109.....	b	NOQK	Submarine chaser No. 245.....
NOGV	Submarine chaser No. 110.....	b	NOQL	Submarine chaser No. 246.....
NOGX	Submarine chaser No. 111.....	b	NOQM	Submarine chaser No. 247.....
NOJF	Submarine chaser No. 116.....	b	NOQN	Submarine chaser No. 248.....
NOJG	Submarine chaser No. 117.....	b	NOQP	Submarine chaser No. 250.....
NOJJ	Submarine chaser No. 118.....	b	NOQQ	Submarine chaser No. 251.....
NOJK	Submarine chaser No. 119.....	b	NOQR	Submarine chaser No. 252.....
NOJL	Submarine chaser No. 120.....	b	NOQS	Submarine chaser No. 253.....
NOJM	Submarine chaser No. 121.....	b	NOQT	Submarine chaser No. 254.....
NOJP	Submarine chaser No. 123.....	b	NOQV	Submarine chaser No. 255.....
NOJS	Submarine chaser No. 126.....	b	NOQZ	Submarine chaser No. 257.....
NOJV	Submarine chaser No. 128.....	b	NORB	Submarine chaser No. 258.....
NOJX	Submarine chaser No. 129.....	b	NORC	Submarine chaser No. 259.....
NOKD	Submarine chaser No. 133.....	b	NORD	Submarine chaser No. 260.....
NOKF	Submarine chaser No. 134.....	b	NORG	Submarine chaser No. 262.....
NOKG	Submarine chaser No. 135.....	b	NO RJ	Submarine chaser No. 263.....
NOKJ	Submarine chaser No. 136.....	b	NORK	Submarine chaser No. 264.....
NOKL	Submarine chaser No. 138.....	b	NO RL	Submarine chaser No. 265.....
NOKN	Submarine chaser No. 143.....	b	NORM	Submarine chaser No. 266.....
NOKP	Submarine chaser No. 144.....	b	NORP	Submarine chaser No. 268.....
NOKQ	Submarine chaser No. 145.....	b	NORQ	Submarine chaser No. 269.....
NOKR	Submarine chaser No. 147.....	b	NORR	Submarine chaser No. 270.....
NOKS	Submarine chaser No. 148.....	b	NORS	Submarine chaser No. 271.....
NOLC	Submarine chaser No. 154.....	b	NORT	Submarine chaser No. 272.....
NOLF	Submarine chaser No. 156.....	b	NORV	Submarine chaser No. 273.....
NOLJ	Submarine chaser No. 158.....	b	NOSC	Submarine chaser No. 277.....
NOLK	Submarine chaser No. 159.....	b	NOSD	Submarine chaser No. 278.....
NOLL	Submarine chaser No. 164.....	b	NOSK	Submarine chaser No. 282.....
NOLM	Submarine chaser No. 165.....	b	NOSL	Submarine chaser No. 283.....
NOLN	Submarine chaser No. 166.....	b	NOSM	Submarine chaser No. 284.....
NOLP	Submarine chaser No. 167.....	b	NOSQ	Submarine chaser No. 287.....
NOLQ	Submarine chaser No. 168.....	b	NOSR	Submarine chaser No. 288.....
NOLR	Submarine chaser No. 177.....	b	NOSS	Submarine chaser No. 289.....
NOLS	Submarine chaser No. 178.....	b	NOSV	Submarine chaser No. 291.....
NOLV	Submarine chaser No. 180.....	b	NOTB	Submarine chaser No. 294.....
NOLX	Submarine chaser No. 181.....	b	NOTC	Submarine chaser No. 295.....
NOLZ	Submarine chaser No. 182.....	b	NOTD	Submarine chaser No. 296.....
NOMC	Submarine chaser No. 184.....	b	NOTG	Submarine chaser No. 298.....
NOMD	Submarine chaser No. 185.....	b	NOTJ	Submarine chaser No. 299.....
NOMF	Submarine chaser No. 186.....	b	NOTL	Submarine chaser No. 301.....
NOMG	Submarine chaser No. 187.....	b	NOTN	Submarine chaser No. 303.....
NOMJ	Submarine chaser No. 188.....	b	NOTP	Submarine chaser No. 304.....
NOML	Submarine chaser No. 190.....	b		

GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call.	Station.	Call.	Station.		
NOTQ	Submarine chaser No. 305	.b	NUJK	Barker.....	.b
NOTE	Submarine chaser No. 306	.b	NUJL	Tracy.....	.b
NOTS	Submarine chaser No. 307	.b	NUJM	James K. Paulding.....	.b
NOTT	Submarine chaser No. 308	.b	NUJN	Overton.....	.b
NOTV	Submarine chaser No. 309	.b	NUJP	Sturtevant.....	.b
NOTX	Submarine chaser No. 310	.b	NUJQ	Henshaw.....	.b
NOVC	Submarine chaser No. 320	.b	NUJR	Meyer.....	.b
NOVF	Submarine chaser No. 322	.b	NUJS	Doven.....	.b
NOVG	Submarine chaser No. 323	.b	NUJT	LaVallette.....	.b
NOVL	Submarine chaser No. 326	.b	NUJV	Shirk.....	.b
NOVN	Submarine chaser No. 328	.b	NUJX	Kidder.....	.b
NOVP	Submarine chaser No. 329	.b	NUJZ	Selfridge.....	.b
NOVQ	Submarine chaser No. 330	.b	NUKB	Robert Smith.....	.b
NOVR	Submarine chaser No. 331	.b	NUKC	Wasmuth.....	.b
NOVS	Submarine chaser No. 332	.b	NUKD	Hulbert.....	.b
NOVZ	Submarine chaser No. 336	.b	NUKF	Noa.....	.b
NOXC	Submarine chaser No. 338	.b	NUKS	S. P. 156 (Winchester).....	.b
NOXD	Submarine chaser No. 339	.b	NUKX	Humphreys.....	.b
NOXF	Submarine chaser No. 340	.b	NULD	Harbor Tug No. 63.....	.b
NOXG	Submarine chaser No. 341	.b	NULG	Harbor Tug No. 67.....	.b
NOXQ	Submarine chaser No. 351	.b	NULJ	Welborn C. Wood.....	.b
NOXR	Submarine chaser No. 352	.b	NULK	Alden.....	.b
NOXS	Submarine chaser No. 353	.b	NULL	Borie.....	.b
NOXT	Submarine chaser No. 354	.b	NULM	Kane.....	.b
NOXX	Submarine chaser No. 356	.b	NULN	Childs.....	.b
NOZC	Submarine chaser No. 408	.b	NULP	King.....	.b
NOZD	Submarine chaser No. 409	.b	NULQ	Sands.....	.b
NOZJ	Submarine chaser No. 412	.b	NULR	Sinclair.....	.b
NOZK	Submarine chaser No. 413	.b	NULS	McCawley.....	.b
NOZN	Submarine chaser No. 416	.b	NULT	Moody.....	.b
NOZR	Submarine chaser No. 419	.b	NULV	Sharkey.....	.b
NOZT	Submarine chaser No. 421	.b	NULX	Toucey.....	.b
NOZV	Submarine chaser No. 422	.b	NULZ	Breck.....	.b
NOZX	Submarine chaser No. 423	.b	NUMB	Zeilin.....	.b
NOZZ	Submarine chaser No. 424	.b	NUMC	Yarborough.....	.b
<b>NUBB</b>	S. P. 43 (Adriatic).....	.b	NUMD	Sloat.....	.b
	S. P. 909 (Eaglet).....	.b	NUMF	Wood.....	.b
<b>NUBC</b>	S. P. 54 (Patrol No. 6).....	.b	NUMG	Marcus.....	.b
	Vesuvius.....	.b	NUMJ	Merine.....	.b
<b>NUBR</b>	S. P. 3297 (Winthrop).....	.b	NUMK	Chase.....	.b
	S. P. 726 (Orcia).....	.b	NUML	Mulhany.....	.b
<b>NUBT</b>	S. P. 522 (Charles Mann).....	.b	NUMM	Litchfield.....	.b
	Lilac.....	.b	NUMN	Zane.....	.b
<b>NUCG</b>	S. P. 573 (Easthampton).....	.b	NUMP	Trever.....	.b
	S. P. 1234 (Cigarette).....	.b	NUMQ	William B. Preston.....	.b
<b>NUCK</b>	S. P. 765 (Delante).....	.b	NUMR	Harbor Tug No. 68.....	.b
	S. P. 680 (Ardent).....	.b	NUMS	S. P. 681 (Breakwater).....	.b
<b>NUCR</b>	S. P. 642 (Felicia).....	.b	NUMT	Harbor Tug No. 64.....	.b
	S. P. 265 (Pocomoke).....	.b	NUMV	Mansfield.....	.b
<b>NUCT</b>	S. P. 214 (Edithia).....	.b	NUMX	Harbor Tug No. 61.....	.b
	S. P. 249 (Hauoli).....	.b	NUMZ	Kankakee.....	.b
<b>NUCX</b>	S. P. 179 (Privateer).....	.b	NUNB	Yacona.....	.b
	Ranger.....	.b	NUNC	Lumson.....	.b
<b>NUDF</b>	S. P. 2373 (Herreshoff Hull No. 322).....	.b	NUND	Dale.....	.b
	S. P. 707 (Endion).....	.b	NUNF	Flusser.....	.b
<b>NUDK</b>	Mohawk.....	.b	NUNG	Preble.....	.b
	S. P. 399 (Legonia).....	.b	NUNJ	Preston.....	.b
<b>NUFB</b>	S. P. 838 (John L. Lawrence).....	.b	NUNK	Reid.....	.b
	Sunflower.....	.b	NUNL	Whipple.....	.b
<b>NUFN</b>	S. P. 1149 (Barnett).....	.b	NUNM	Worden.....	.b
	S. P. 185 (Clarinda).....	.b	NUNN	Stewart.....	.b
<b>NUFZ</b>	S. P. 3218 (Resolute).....	.b	NUNQ	United States.....	.b
	Mackinac.....	.b	NUNR	Dobbin.....	.b
<b>NUGD</b>	Relief Light Vessel No. 2, fifth district.....	c	NUNS	Williamson.....	.b
	Natoma.....	.b	NUNT	Reuben James.....	.b
<b>NUGG</b>	Alameda.....	.b	NUNV	Isherwood.....	.b
	Kaweah.....	.b	NUNX	Case.....	.b
<b>NUGK</b>	Laramie.....	.b	NUNZ	Nicholas.....	.b
	Mattole.....	.b	NUPC	John D. Edwards.....	.b
<b>NUGL</b>	Patoka.....	.b	NUPD	Parrott.....	.b
	Ramapo.....	.b	NUPF	Lardner.....	.b
<b>NUGM</b>	Rapidan.....	.b	NUPG	Putnam.....	.b
	Salinas.....	.b	NUPJ	Pequot.....	.b
<b>NUGR</b>	Sapelo.....	.b	NUPK	Coglan.....	.b
	Sepulga.....	.b	NUPL	Sicard.....	.b
<b>NUGT</b>	Tippecanoe.....	.b	NUPM	Edsall.....	.b
	Trinity.....	.b	NUPN	Bulmer.....	.b
<b>NUGV</b>	Abel P. Upshur.....	.b	NUPQ	Billingsley.....	.b
	Hunt.....	.b	NUPR	Charles Ausburne.....	.b
<b>NUJF</b>	George E. Badger.....	.b	NUPS	Bruce.....	.b
	Smith Thompson.....	.b	NUPT	MacLeish.....	.b
<b>NUJJ</b>		.b	NUPV	Pruitt.....	.b

## GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NUPX	Simpson	b	WWO	Cleveland, Ohio
NUPZ	McCormick	b	WWQ	Bellefonte, Pa.
NUQB	Pope	b	WWU	Newark, N. J.
NUQC	Osborne	b	WWV	Washington, D. C. (Bureau of Standards).
NUQD	Peary	b	WWX	College Park, Md.
NUQF	Goff	b	WWY	Slocum
NUQG	Pillsbury	b	WXA	Buford
NUQJ	Ford	b	WXB	Crook
NUQK	Truxton	b	WXC	Dix
NUQL	Bainbridge	b	WXD	Kilpatrick
NUQM	Hopkins	b	WXE	Liscum
NUQN	Paul Jones	b	WXF	Logan
NUQP	Barry	b	WXI	Merritt
NUQQ	Lawrence	b	WXJ	Sheridan
NUQR	MacDonough	b	WXX	Sherman
NUQS	Perry	b	WXL	Iditarod, Alaska
NUQT	Hull	b	WXM	Thomas
NUQV	Decatur	b	WXN	Warren
WEY	General William M. Graham	b	WXO	Craig, Alaska
WFY	Sialis	b	WXP	Fort Travis, Tex.
WIM	Northern Pacific	b	WXQ	Fort Saint Philip, La.
WIR	Great Northern	b	WXR	Burnside
WJD	Tongshan, China	c	WXS	Cyrus W. Field
WJI	Atka Island, Alaska	c	WXT	Joseph Henry
WUA	Fort Andrews, Mass.	c	WXU	Navesink
WUAA	Mount Vernon	b	WXV	McGrath, Alaska
WUAB	Cadmus	b	WXW	General John M. Schofield
WUAC	Gypsum Prince	b	WXX	Fort Yukon, Alaska
WUAD	Gwalla	b	WXY	Alexandria, Va.
WUAE	Tacony	b	WZA	Fort Story, Va.
WUB	Fort Hancock, N. J.	e	WYD	Gen. Royal T. Frank
WUC	Fort H. G. Wright, N. Y.	e	WYC	Gen. S. M. Mills
WUD	Fort Leavenworth, Kans.	c	WYD	Maj. Samuel Ringgold
WUE	Fort Levett, Me.	c	WYE	Gen. Henry J. Hunt
WUF	Fort Monroe, Va.	c	WYF	Gen. Henry Knox
WUG	Fort Monroe, Va.	c	WYG	Gen. E. O. C. Ord
WUH	Fort McIntosh, Tex.	c	WYH	Col. George Armistead
WUI	Fort Riley, Kans.	c	WYI	Gen. Robert Anderson
WUJ	Fort San Houston, Tex.	c	WYJ	Capt. Charles W. Rowell
WUK	Fort Stevens, Oreg.	c	WYK	Gen. A. M. Randal
WUL	Fort Totten, N. Y.	c	WYL	Gen. Harvey Brown
WUM	Fort Wood, N. Y.	c	WYM	Gen. R. B. Ayres
WUN	Fort Worden, Wash.	c	WYN	Capt. James Fornance
WUO	Fort Winfield Scott, Calif.	c	WYO	Reno
WUP	Washington, D. C.	c	WYP	Maj. Evan Thomas
WUQ	Washington, D. C.	c	WYQ	Capt. Gregory Barrett
WUR	Fort Morgan, Ala.	c	WYR	Maj. Albert G. Forse
WUS	Fort Rosecrans, Calif.	c	WYS	Lieut. Geo. M. Harris
WUT	Fort Caswell, N. C.	c	WYT	Gen. G. W. Getty
WUU	Fort Adams, R. I.	c	WYU	Capt. A. M. Wetherill
WUV	Brooks, Alaska	c	WYV	Gen. Robert W. Swartout
WUW	Fort Terry, N. Y.	c	WZB	Gen. S. B. Holabird
WUX	Fort Crockett, Tex.	c	WZC	Gen. R. H. Jackson
WUY	Fort San Jacinto, Tex.	c	WZD	Tien-Tsin
WUZ	Fort Brown, Tex.	c	WZE	Gen. Richard Arnold
WVA	Circle City, Alaska	c	WZF	Capt. T. M. Morrison
WVB	Fairbanks, Alaska	c	WZG	Fort Screven, Ga.
WVC	Fort Egbert, Alaska	c	WZI	Fort Howard, Md.
WVD	Fort Gibbon, Alaska	c	WZJ	Fort Whitman, Wash.
WVE	Fort St. Michael, Alaska	c	WZK	Fort Barrancas, Fla.
WVF	Kotlik, Alaska	c	WZL	Fort Constitution, N. H.
WVG	Nome, Alaska	c	WZM	Fort Moultrie, S. C.
WVH	Nulato, Alaska	c	WZN	Fort De Russy, Hawaii
WVI	Petersburg, Alaska	c	WZO	Shanghai, China
WVJ	Wrangell, Alaska	c	WZP	Fort Casey, Wash.
WVK	Holy Cross, Alaska	c	WZQ	Fort Dade, Fla.
WVL	Fort Frank, P. I.	c	WZR	Buckroe
WVM	Fort Hughes, P. I.	c	WZS	Anderson
WVN	Fort Mills, P. I.	c	WZT	Fort Du Pont, Del.
WVO	Davao, P. I.	c	WZU	Fort Bliss, Tex.
WVP	Fort Drum, P. I.	c	WZV	Fort Huachuca, Ariz.
WVQ	Fort William McKinley, P. I.	c	WZW	Gen. Timothy Pickering
WVR	Fort Wint, P. I.	c	WZQ	Gen. Nathaniel Greene
WVS	Jolo, P. I.	c	WZR	Henry Wilson
WVT	Malabang, P. I.	c	WZS	Gen. George H. Weeks
WVU	Manila, P. I.	c	WZT	Spring Carroll
WVV	Puerto Princesa, P. I.	c	WZU	General J. M. Brannon
WVV	Zamboanga, P. I.	c	WZV	Gen. R. N. Batchelder
WVX	Cuyo, P. I.	c	WZW	Gen. Mifflin
WVY	San Jose, P. I.	c	WZX	Maj. Guy Howard
WVZ	Fort Mills, P. I.	c	WZY	San Pedro
WWG	Chicago, Ill.	c	WZZ	

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of June 15, 1919, only.]

Station.	Call signal.	Wave lengths.	Station controlled by—
Agricultural College, Miss.....	5YD	200, 375	Mississippi Agricultural & Mechanical College.
Agricultural College, N. Dak.....	9YG	.....	North Dakota Agricultural College.
Ann Arbor, Mich.....	8XA	200, 300, 375 600, variable.	University of Michigan.
Auberry, Calif.....	6XR	200, 375	San Joaquin Light & Power Corp.
Auburn, Ala.....	5XA	200, 375	Alabama Polytechnic Institute.
Auburn, N. Y.....	8YA	200, 375	Edward L. Colby (Colby's Telegraph School).
Austin, Tex.....	5ZU	200, 375	Wesley Hope Tilley.
Bala, Pa.....	3ZA	300, 325	Charles A. Service, Jr.
Baltimore, Md.....	3XD	.....	Johns Hopkins University.
Baltimore, Md.....	3XG	300, 345, 385 400, 420, 600	Edward O. Hurlburt
Battle Creek, Mich.....	8ZC	200, 375	Bert E. Clough.
Baudette, Minn.....	9ZC	200, 375	John A. Gjelhaug.
Bear Creek, Mont.....	7ZG	.....	Winfred E. Slauson.
Blackwell, Okla.....	5ZZ	.....	Harold Schonwald.
Bloomington, Ill.....	9YS	200, 375	Illinois Wesleyan University.
Boise, Idaho.....	7YA	200, 375	Independent School District of Boise City.
Boston, Mass.....	1YC	.....	Eastern Radio Institute.
Bozeman, Mont.....	7XB	300, 425, 600	Montana State College.
Bozeman, Mont.....	7ZD	200, 300, 375	R. Earl Dawes.
Brooklyn, N. Y.....	2XT	.....	Lowenstein Radio Co.
Buffalo, N. Y.....	8ZM	200, 375	Cyrus H. Fraser.
Burley, Idaho.....	7YF	.....	Burley High School (J. J. Rae, Supt.)
Burnwood, La.....	5XE	.....	Tropical Radio Telegraph Co.
Cambridge, Mass.....	1XJ	300, 600, 5000 10000	Harvard University.
Cambridge, Mass.....	1XM	.....	Massachusetts Institute of Technology.
Camp Dix, N. J.....	2YA	.....	Knights of Columbus.
Canton, Ohio.....	8ZV	200, 375	Henry L. Ley.
Chicago, Ill.....	9ZN	200, 375	Ralph H. G. Mathews.
Cincinnati, Ohio.....	8XB	200, 375	Precision Equipment Co.
Cincinnati, Ohio.....	8ZJ	.....	Hughes High School.
Cleveland, Ohio.....	8XF	.....	Emil J. Simon.
Cliffwood, N. J.....	2XF	350, 450	Western Electric Co.
Clifton, N. J.....	2ZM	200, 325, 425	Lester Spangenburg.
Clinton, Md.....	3XE	200, 300, 425	W. W. Conners.
Cochise, Ariz.....	6ZC	200, 375	Dr. J. B. Ellis.
College Station, Tex.....	5XB	.....	Agricultural & Mechanical College of Texas.
College Station, Tex.....	5YF	200, 375	Do.
Columbus, Ohio.....	8XI	200, 375	Ohio State University.
Dearborn, Mich.....	8XD	.....	Henry Ford.
Defiance, Ohio.....	8ZY	200, 375	K. A. Duerk.
Denver, Colo.....	9ZD	200, 375	Edward C. Stockman.
Detroit, Mich.....	8ZN	.....	George W. Carter.
Dover, Ohio.....	8ZX	200, 375	Harry S. Weber.
Eagle Pass, Tex.....	5ZN	200, 375	Ed. Nettleton.
Elberon, N. J.....	2XJ	.....	Western Electric Co.
Elk, Wyo.....	7ZE	200, 375	Harold Prescott Sheard.
Eugene, Oreg.....	7YB	.....	University of Oregon.
Franklinton, La.....	5ZK	200, 425	Paul Ellis Greenlaw.
Fresno, Calif.....	6XU	.....	San Joaquin Light & Power Corp.
Glenridge, N. J.....	2XV	300, 400, 500 600	Western Electric Co.
Green Harbor, Mass.....	1XD	350, 450	Do.
Hanover, N. H.....	1YB	200, 300, 375 600	Dartmouth College.
House, Tex.....	5ZW	200, 275	Donald Harper Graham.
Houston, Tex.....	5YI	.....	Rice Institute.
Houston, Tex.....	5ZX	200, 375	James L. Autry, Jr.
Houston, Tex.....	5ZO	200, 300, 375 600	Clifford W. Vick.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Houston, Tex.	5ZT	200, 300, 375 600	Ingham S. Roberts III.
Houston, Tex.	5ZV	200, 375	Hallet E. Worthington.
Independence, Mo.	9ZH	200, 375	Reorganized Church of Christ of Latter Day Saints.
Indianapolis, Ind.	9ZJ	200, 375	Francis F. Hamilton.
Ithaca, N. Y.	8XU	200, 375	Cornell University.
Jackson, Tenn.	5YB	200, 425	Y. M. C. A.
Kansas City, Mo.	9ZZ	.....	Walter M. Aronson and Albert R. Perkins.
Kingston, R. I.	1YA	.....	Rhode Island State College.
Lacey, Wash.	7YS	200, 375	St. Martin's College.
La Crosse, Wis.	9ZY	.....	Ben A. Ott.
Lafayette, Ind.	9YB	.....	Purdue University.
Lawrence, Kans.	9YN	200, 375	University of Kansas.
Lewisburg, Pa.	8XJ	.....	Bucknell University.
Lexington, Ky.	9YC	.....	University of Kentucky.
Lincoln, Nebr.	9YY	200, 375	University of Nebraska.
Little Rock, Ark.	5YH	.....	U. S. Signal Corps, 5th Field Sig. Bat.
Little Rock, Ark.	5ZL	200, 300, 375	John M. Clayton.
Los Altos, Calif.	6XY	.....	National Radio Co.
Los Angeles, Calif.	6XD	250, 300, 550 600	Western Radio Electric Co.
Los Angeles, Calif.	6XQ	200, 300, 600 1600	Southern California Edison Co.
Los Angeles, Calif.	6ZG	.....	Forbes W. Van Why.
Lynn, Mass.	1XL	.....	General Electric Co.
Madison, Wis.	9XM	300, 600 Variable.	University of Wisconsin.
Manhattan, Kans.	9YY	200, 375	Kansas State Agricultural College.
Manitowoc, Wis.	9ZL	200, 375	W. C. Bridges and H. J. Burhop.
Manlius, N. Y.	8YB	200, 375, 1200	St. John's School.
Mesilla Park, N. Mex.	5ZJ	.....	R. W. Goddard.
Middletown, Conn.	1XN	.....	Walter G. Cady.
Minneapolis, Minn.	9ZT	200, 375	Minnesota Wireless Association.
Minneapolis, Minn.	9XI	.....	University of Minnesota.
Montclair, N. J.	2XS	200, 275, 325, 425	Adams Morgan Co.
Mulga, Ala.	5ZY	200, 375	Thomas D. Sewell.
Muncie, Ind.	9YR	200, 375	Muncie Technical High School.
New Haven, Conn.	1ZC	.....	A. C. Gilbert Co.
New Orleans, La.	5YC	200, 375	Nola Radio School.
New Orleans, La.	5ZP	200, 250	Herbert E. De Ben.
New Rochelle, N. Y.	2ZK	200, 350, 425	George C. Cannon.
New York, N. Y.	2XB	Variable.	Western Electric Co.
New York, N. Y.	2XG	300, 600	De Forest Radio Tel. & Telgh. Co.
New York, N. Y.	2XO	200, 300, 600, 800	Walter G. Hudson.
New York, N. Y.	2XZ	200, 300, 375, 600	Fordham University.
New York, N. Y.	2YB	200, 300, 375, 600	B. B. Brownlee.
New York, N. Y.	2YT	250, 300, 600	Marconi Institute.
Norfolk, Va.	3YD	.....	Norfolk Radio School.
Norfolk, Va.	3ZC	.....	City of Norfolk, Dept. of Public Safety.
Northville, Mich.	8XL	.....	Henry Ford.
Nutley, N. J.	2ZH	200, 300, 325, 600	Arthur A. Hebert.
Oakland, Calif.	6XC	200, 300, 375, 600	National Radio Co.
Oakland, Calif.	6XX	300, 600, va- riable.	St. Mary's College.
Oelwein, Iowa.	9ZQ	200, 375	George Raymond Hammond.
Omaha, Nebr.	9YP	.....	High School of Commerce.
Ossining, N. Y.	2XX	300, 600, va- riable.	De Forest Radio Tel. & Telgh. Co.
Palo Alto, Calif.	6XV	300, 600	Federal Telegraph Co.
Philadelphia, Pa.	3XI	.....	Lester R. Damon.
Philadelphia, Pa.	3YC	200, 300, 375, 600	North East High School.
Pittsburgh, Pa.	8XH	200, 375, 425	Parker Elloit Wiggin.
Pittsburgh, Pa.	8XK	500, variable.	Frank Conrad.
Pittsburgh, Pa.	8YZ	200, 375	Charles C. Dunning (Peabody High School).
Pittsburgh, Pa.	8ZO	.....	Frank Moore, jr.
Portland, Oreg.	7YG	.....	Y. M. C. A.
Portland, Oreg.	7ZI	.....	Charles L. Austin.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Providence, R. I.....	1XF	300, 600, variable.	Electrical Products Manufacturing Co.
Rochester, N. Y.....	8ZK	200, 375	Alexander Miller Lindsay, Jr.
Rockville Center, L. I., N. Y.....	2ZL	200, 300, 325, 425	J. Owen Smith.
Roselle Park, N. J.....	2XR	300, 600, variable.	Radio Corp. of America.
Roswell, N. Mex.....	5ZA	200, 275	Louis Falconi.
Salt Lake City, Utah.....	6ZA	200, 300, 375	Ira Johnston Kaar.
San Diego, Calif.....	6XZ	200, 300, 375, 600, variable.	R. O. Shelton, M. D.
San Francisco, Calif.....	6XP	300, 600, variable.	Moorhead Laboratories (Inc.).
San Francisco, Calif.....	6XT	75, 200, 300,	Baruch Research Laboratories.
San Francisco, Calif.....	6ZE	375, 600	D. B. McGown.
San Francisco, Calif.....	6XJ	300, 600, variable.	Otis B. Moorhead.
San Francisco, Calif.....	6XO	500, 800, 1000, variable.	National Radio Co.
San Gabriel, Calif.....	6XS	-----	R. B. Ashbrook.
Savannah, Ga.....	4XB	-----	Board of Public Education.
Savannah, Ga.....	4YB	-----	Knights of Columbus.
Schenectady, N. Y.....	2XA	500, 800, 1000, variable.	E. M. Kinney.
Schenectady, N. Y.....	2XQ	300, 600, variable.	Union College.
Schenectady, N. Y.....	2XY	300, 600, variable.	Wallace L. Brooks.
Seattle, Wash.....	7XZ	300, 600, variable.	University of Washington.
Seattle, Wash.....	7XK	200, 300, 375, 600	Kilbourne & Clark Manufacturing Co.
Seattle, Wash.....	7YC	-----	Y. M. C. A.
Seattle, Wash.....	7YD	-----	Knights of Columbus.
Seattle, Wash.....	7YE	-----	City of Seattle School District.
Shreveport, La.....	5ZS	210, 300, 425	William E. Antony.
Sioux City, Iowa.....	9ZU	200, 375	Sioux City Radio Laboratory.
South Orange, N. J.....	2ZC	200, 300, 375	Henry L. Leeb.
Springfield, Ill.....	9ZS	200, 225, 300, 1700	Illinois Watch Co.
Springfield, Mass.....	1ZK	200, 375	Glen C. Sabin.
State College, N. Mex.....	5XD	-----	New Mexico College.
State College, Pa.....	8XE	200, 375, variable.	Pennsylvania State College.
Staunton, Va.....	3YE	-----	Staunton Military Academy.
St. Louis, Mo.....	9ZV	200, 375	James Albert Crowdus.
Toledo, Ohio.....	8ZI	200, 375	Adelbert Jacob Gogel.
University P. O., Miss.....	5YE	200, 375	University of Mississippi.
University Place, Nebr.....	9YD	200, 375	Nebraska Wesleyan University.
Urbana, Ill.....	9XJ	-----	University of Illinois.
Valparaiso, Ind.....	9XZ	300, 600, variable.	Dodge's Institute of Telegraphy.
Valley City, N. Dak.....	9ZX	175, 200, 375	Russell H. Pray.
Vancouver, Wash.....	7ZB	-----	John D. Hertz.
Washington, D. C.....	3XH	-----	Lester Stewart Barr.
Washington, D. C.....	3XF	200, 375, variable.	Francis Meyer Baer.
Washington, D. C.....	3ZB	200, 375	A. B. Brown (Bliss Electrical High School).
Washington, D. C.....	3YA	200, 375	Loomis Radio School.
Wayne, Nebr.....	9YT	200, 375	State Normal School.
Wheeling, W. Va.....	8ZW	200, 375	John C. Stroebel, Jr.
Wilkes-Barre, Pa.....	8ZS	200, 375	John H. Stenger, Jr.
Woodmere, N. Y.....	2XH	200, 250, 300, 600	Cutting & Washington Radio Corp.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
1XD	First district: Green Harbor, Mass.	5ZS	Fifth district—Continued. Shreveport, La.
1XF	Providence, R. I.	5ZT	Houston, Tex.
1XJ	Cambridge, Mass.	5ZU	Austin, Tex.
1XL	Lynn, Mass.	5ZV	Houston, Tex.
1XM	Cambridge, Mass.	5ZW	House, Tex.
1XN	Middletown, Conn.	5ZX	Houston, Tex.
1YA	Kingston, R. I.	5ZY	Mulga, Ala.
1YB	Hanover, N. H.	5ZZ	Blackwell, Okla.
1YC	Boston, Mass.	6XC	Sixth district: Oakland, Calif.
1ZC	New Haven, Conn.	6XD	Los Angeles, Calif.
1ZK	Springfield, Mass.	6XJ	San Francisco, Calif.
2XA	Second district: Schenectady, N. Y.	6XO	San Francisco, Calif.
2XB	New York, N. Y.	6XP	San Francisco, Calif.
2XF	Cliffwood, N. J.	6XQ	Los Angeles, Calif.
2XG	New York, N. Y.	6XR	Auberry, Calif.
2XH	Woodmere, N. Y.	6XS	San Gabriel, Calif.
2XJ	Elberon, N. J.	6XT	San Francisco, Calif.
2XO	New York, N. Y.	6XU	Fresno, Calif.
2XQ	Schenectady, N. Y.	6XV	Palo Alto, Calif.
2XR	Roselle Park, N. J.	6XX	Oakland, Calif.
2XS	Montclair, N. J.	6XY	Los Altos, Calif.
2XT	Brooklyn, N. Y.	6XZ	San Diego, Calif.
2XV	Glenridge, N. J.	6ZA	Salt Lake City, Utah.
2XX	Ossining, N. Y.	6ZC	Cochise, Ariz.
2XY	Schenectady, N. Y.	6ZE	San Francisco, Calif.
2XZ	New York, N. Y.	6ZG	Los Angeles, Calif.
2YA	Camp Dix, N. J.	7XB	Seventh district: Bozeman, Mont.
2YB	New York, N. Y.	7XK	Seattle, Wash.
2YT	New York, N. Y.	7XZ	Seattle, Wash.
2ZC	South Orange, N. J.	7YA	Bolse, Idaho.
2ZH	Nutley, N. J.	7YB	Eugene, Oreg.
2ZK	New Rochelle, N. Y.	7YC	Seattle, Wash.
2ZL	Rockville Center, N. Y.	7YD	Seattle, Wash.
2ZM	Clifton, N. J.	7YE	Seattle, Wash.
3XD	Third district: Baltimore, Md.	7YF	Burley, Idaho.
3XE	Clinton, Md.	7YG	Portland, Oreg.
3XF	Washington, D. C.	7YS	Lacey, Wash.
3XG	Baltimore, Md.	7ZB	Vancouver, Wash.
3XH	Washington, D. C.	7ZD	Bozeman, Mont.
3XI	Philadelphia, Pa.	7ZE	Elk, Wyo.
3YA	Washington, D. C.	7ZG	Bear Creek, Mont.
3YC	Philadelphia, Pa.	7ZI	Portland, Oreg.
3YD	Norfolk, Va.	8XA	Eighth district: Ann Arbor, Mich.
3YE	Staunton, Va.	8XB	Cincinnati, Ohio.
3ZA	Bala, Pa.	8XD	Dearborn, Mich.
3ZB	Washington, D. C.	8XE	State College, Pa.
3ZC	Norfolk, Va.	8XF	Cleveland, Ohio.
4XB	Fourth district: Savannah, Ga.	8XH	Pittsburgh, Pa.
4YB	Savannah, Ga.	8XI	Columbus, Ohio.
5XA	Fifth district: Auburn, Ala.	8XJ	Lewisburg, Pa.
5XB	College Station, Tex.	8XK	Pittsburgh, Pa.
5XD	State College, N. Mex.	8XL	Northville, Mich.
5XE	Burnwood, La.	8XU	Ithaca, N. Y.
5YB	Jackson, Tenn.	8YA	Auburn, N. Y.
5YC	New Orleans, La.	8YB	Manlius, N. Y.
5YD	Agricultural College, Miss.	8YZ	Pittsburgh, Pa.
5YE	University P. O., Miss.	8ZC	Battle Creek, Mich.
5YF	College Station, Tex.	8ZI	Toledo, Ohio.
5YH	Little Rock, Ark.	8ZJ	Cincinnati, Ohio.
5YI	Houston, Tex.	8ZK	Rochester, N. Y.
5ZA	Roswell, N. Mex.	8ZM	Buffalo, N. Y.
5ZJ	Mesilla Park, N. Mex.	8ZN	Detroit, Mich.
5ZK	Franklin, La.	8ZO	Pittsburgh, Pa.
5ZL	Little Rock, Ark.	8ZS	Wilkes-Barre, Pa.
5ZN	Eagle Pass, Tex.	8ZV	Canton, Ohio.
5ZO	Houston, Tex.	8ZW	Wheeling, W. Va.
5ZP	New Orleans, La.	8ZX	Dover, Ohio.
		8ZY	Defiance, Ohio.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	Ninth district:		Ninth district—Continued.
9XD	Valparaiso, Ind.	9ZC	Baudette, Minn.
9XI	Minneapolis, Minn.	9ZD	Denver, Colo.
9XJ	Urbana, Ill.	9ZH	Independence, Mo.
9XM	Madison, Wis.	9ZJ	Indianapolis, Ind.
9YB	Lafayette, Ind.	9ZL	Manitowoc, Wis.
9YC	Lexington, Ky.	9ZN	Chicago, Ill.
9YD	University Place, Nebr.	9ZQ	Oelwein, Iowa.
9YG	Agricultural College, N. Dak.	9ZS	Springfield, Ill.
9YN	Lawrence, Kans.	9ZT	Minneapolis, Minn.
9YP	Omaha, Nebr.	9ZU	Sioux City, Iowa.
9YR	Muncie, Ind.	9ZV	St. Louis, Mo.
9YS	Bloomington, Ill.	9ZX	Valley City, N. Dak.
9YT	Wayne, Nebr.	9ZY	La Crosse, Wis.
9YY	Manhattan, Kans.	9ZZ	Kansas City, Mo.
	Lincoln, Nebr.		

6803°—20—7

## RADIO COMPASS STATION INSTRUCTIONS.

Radic compass stations have been installed on the Atlantic coast for the purpose of supplying vessels with bearings and positions. These stations are divided into two classes—those operating independently, and others, called harbor-entrance stations, operated under the control of a central control station at harbor entrances in order to guide vessels to the entrance buoys. The independent stations have been located with a view to giving good cross bearings to ships which are not over 150 miles distant from the coast, while the harbor-entrance stations have been located with a view to furnishing vessels with positions when they are within 50 miles of the entrance to the outer channel.

Harbor-entrance radio compass stations differ from those acting independently in that they are connected to and controlled by a central control station.

- There follows a list of harbor-entrance radio compass stations:

Harbor entrance.	Compass-control station.	Radio call.
Boston, Mass.	Boston	NAD
New York, N. Y.	New York	NAH
Delaware Capes.	Cape May	NSD
Chesapeake Capes.	Virginia Beach	NCZ

The following radio compass stations take bearings for Boston:

Place.	Position.	
	Latitude.	Longitude.
Gloucester, Mass.	°   '   "	°   '   "
Deer Island, Mass.	42 35 19 N	70 41 08 W
Fourth Cliff, Mass.	42 21 15 N	70 57 30 W
	42 09 40 N	70 42 22 W

The following radio compass stations take bearings for New York:

Place.	Position.	
	Latitude.	Longitude.
Fire Island, N. Y.	°   '   "	°   '   "
Rockaway Beach, Long Island	40 38 07 N	73 12 32 W
Sandy Hook, N. J.	40 33 52 N	73 52 40 W
Mantoloking, N. J.	40 28 12 N	74 01 06 W
Montauk, Long Island	40 01 30 N	74 03 10 W
	41 03 09 N	71 57 27 W

The following radio compass stations take bearings for Cape May:

Place.	Position.	
	Latitude.	Longitude.
Cape May, N. J.	38° 56' " N	74° 53' 10" W
Cape Henlopen, Del.	38° 47' 26" N	75° 05' 16" W
Bethany Beach, Del.	38° 32' 45" N	73° 08' 20" W

The following radio compass stations take bearings for Virginia Beach:

Place.	Position.	
	Latitude.	Longitude.
Hog Island, Va.	37° 22' 36" N	75° 42' 37" W
Smith Island, Va.	37° 07' 08" N	75° 53' 42" W
Cape Henry, Va.	36° 55' 16" N	75° 59' 51" W

2. To obtain a bearing from independent radio compass stations, call the station from which the bearing is desired in the usual manner and request bearings by means of a conventional signal given below. Simultaneous bearings from two or more compass stations can be obtained by making the call include the other compass stations desired.

3. To obtain bearings from harbor-entrance compass stations carry out the same procedure with the exception that the compass-control station should be called instead of the compass station.

4. When bearings are requested simultaneously from two or more compass stations the compass station which is farthest north will supply the ship with its bearing first; the others will then follow in the order of their north to south, or east to west, geographical location.

5. The following abbreviated signals will be used until further notice:

Signal.	Meaning.
QTE?	What is my true bearing?
QTE.....	Your true bearing is _____ degrees from _____ radio compass station.
QTF?	What is my position?
QTF.....	Your position is latitude _____, longitude _____.

6. The radio compass station (or compass-control station for harbor-entrance compass stations) will answer requests for bearings and positions in the customary manner of answering calls and follow their call letters with "K" if they desire to take a bearing at that time, "QRX" if they desire the vessel to stand by, or other abbreviated signal authorized by International Regulations.

7. On being told to "K" vessels desiring bearings or positions will transmit their radio call letters for 30 seconds and then make dashes 5 seconds long for 1 minute, making their call letters 3 times after each 5-second dash and terminating with the conventional signal "K" (go ahead).

8. At the expiration of the direction-determining signals the radio compass station (or compass-control station) will call the vessel, make "QTE," and send the bearing

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in degrees (0 to 359) and the name of the compass station which obtained the bearing, or "QTF" and the position in latitude and longitude. Bearings and positions will always be transmitted to the vessel in words to avoid error.

9. Vessels acknowledge receipt of bearings and positions by making the call letters of the station transmitting the bearing or position once, "DE," vessel's radio call letters, and then repeats the bearing or position received, using numerals.

10. Independent radio compass stations keep watch on 600 meters, and this wave length should always be used to call these stations; but, as soon as they answer, naval vessels will shift to tune "M" (952 meters), all transmission from the vessel being carried out thereafter on this wave length.

11. The control stations for harbor-entrance radio compass stations keep watch on 600 and 952 meters. Naval vessels will call these stations on 952 meters and carry out all tests and communication with them hereafter on 952 meters.

12. Merchant vessels will call all radio compass and compass-control stations on 600 meters and carry out all tests and communication with them thereafter on this wave length.

13. Commanders of vessels should note that shore radio compass stations can not distinguish between the bearing of a ship and its reciprocal unless the reciprocal bears inland. There is, therefore, a possibility of an error of 180 degrees. In such cases the decision is left to the commander of the ship as to which is the correct bearing.

14. Subject to the foregoing, bearings should be accurate within 2 degrees of arc. When bearings from three or more compass stations are not over 2 degrees of an arc in error, but do not meet at a fixed point, the center of an area inclosed by the bearings can generally be taken as the approximate position of the vessel.

15. There follows a complete list of naval shore radio compass stations.

## RADIO COMPASS STATIONS ON ATLANTIC AND PACIFIC COASTS, ALPHABETICALLY BY NAMES OF STATIONS.

### ATLANTIC COAST.

Station.	Call.	Wave lengths.	Position.
Amagansett, L. I.	NAH	800	Lat. 41-03-39 N, long. 71-57-27 W.
Appledore Island, Me.	NTW	800	Lat. 42-59-12 N, long. 70-36-42 W.
Bar Harbor, Me.	NBD	800	Lat. 44-18-36 N, long. 68-11-27 W.
Bethany Beach, Del.	NSD	800	Lat. 38-32-45 N, long. 75-03-21 W.
Burrwood, La.	N BX	800	Lat. 29-11-24 N, long. 89-02-26 W.
Cape Cod, Mass.	NAE	800	Lat. 42-02-58 N, long. 70-04-32 W.
Cape Hatteras, N. C.	NDW	800	Lat. 35-14-22 N, long. 75-31-42 W.
Cape Henlopen, Del.	NSD	800	
Cape Henry, Va.	NCZ	800	Lat. 36-55-16 N, long. 75-59-51 W.
Cape Lookout, N. C.	NAN	800	Lat. 34-36-13 N, long. 76-32-15 W.
Cape May, N. J.	NSD	800	Lat. 38-56-41 N, long. 74-53-10 W.
Chatham, Mass.	N XA	800	Lat. 41-42-48 N, long. 69-57-53 W.
Damiscope Island, Me.	NFQ	800	Lat. 43-45-17 N, long. 69-36-47 W.
Deer Island, Mass.	NAD	800	Lat. 42-21-15 N, long. 70-57-30 W.
Fire Island, N. Y.	NAH	800	Lat. 40-38-07 N, long. 73-12-32 W.
Fourth Cliff, Mass.	NAD	800	Lat. 42-09-40 N, long. 70-42-22 W.
Gloucester, Mass.	NAD	800	Lat. 42-35-19 N, long. 70-41-08 W.
Grand Island, La.	N LI	800	Lat. 29-13-52 N, long. 89-59-46 W.
Hog Island, Va.	NCZ	800	Lat. 37-22-36 N, long. 75-42-37 W.
Jupiter Inlet, Fla.	NAQ	800	
Mantoloking, N. J.	NAH	800	Lat. 40-01-30 N, long. 74-03-10 W.
Morris Island, S. C.	NAO	800	Lat. 32-41-36 N, long. 79-53-17 W.
North Island, S. C.	NZW	800	Lat. 33-13-21 N, long. 79-11-06 W.
Pass a Loutre, La.	N BX	800	Lat. 29-11-24 N, long. 89-02-26 W.
Poyners Hill, N. C.	NCZ	800	
Prices Neck, R. I.	NAF	800	Lat. 41-27-06 N, long. 71-20-15 W.
Rockaway Beach, N. Y.	NAH	800	Lat. 40-33-52 N, long. 73-52-40 W.
Sandy Hook, N. J.	NAH	800	Lat. 40-28-12 N, long. 74-01-06 W.
Surfside Nantucket, Mass.	NBS	800	Lat. 41-14-42 N, long. 70-05-56 W.
Watch Hill, R. I.	NAF	800	Lat. 41-18-21 N, long. 71-51-29 W.

### PACIFIC COAST.

Avalon, Santa Cat., Calif.	NZL	800	Lat. 33-20-38 N, long. 118-19-02 W.
Bird Island, Calif.	NLD	800	Lat. 37-49-24 N, long. 122-32-14 W.
Cattle Point, Wash.	N FN	800	Lat. 48-27-02 N, long. 122-57-42 W.
Empire, Oreg.	NPF	800	
Eureka, Calif.	NPW	800	Lat. 40-41-45 N, long. 124-16-40 W.
Farallon Island, Calif.	NPI	800	Lat. 37-42-00 N, long. 123-00-00 W.
Fort Stevens, Wash.	NPE	800	Lat. 49-11-30 N, long. 123-59-10 W.
Imperial Beach, Calif.	NPL	800	Lat. 32-37-10 N, long. 117-08-10 W.
New Dungeness, Wash.	NFT	800	Lat. 48-10-12 N, long. 123-07-57 W.
Ocean Park, Wash.	NPE	800	Lat. 46-27-45 N, long. 124-03-30 W.
Point Arguello, Calif.	NPK	800	
Point Fermin, Calif.	NPX	800	Lat. 33-42-22 N, long. 118-17-40 W.
Point Hueneme, Calif.	NMD	800	Lat. 34-08-47 N, long. 119-12-33 W.
Point Loma, Calif.	NPL	800	Lat. 32-40-10 N, long. 117-14-45 W.
Point Montara, Calif.	N LH	800	Lat. 37-32-12 N, long. 122-31-14 W.
Point Reyes, Calif.	N LG	800	Lat. 38-02-31 N, long. 122-59-30 W.
Port Angeles, Wash.	NFT	800	
Slip Point, Wash.	NPD	800	
Smith Island, Wash.	N FH	800	
Tatoosh, Wash.	NPD	800	Lat. 48-23-39 N, long. 124-44-10 W.
West Port, Wash.	NHL	800	

## RADIO COMPASS STATIONS ON ATLANTIC AND PACIFIC COASTS, ALPHABETICALLY BY CALL SIGNALS.

### ATLANTIC COAST.

Call.	Station.	Call.	Station.
NAD	Gloucester, Mass.	NBS	Surfside Nantucket, Mass.
NAD	Fourth Cliff, Mass.	NBX	Pass a Loutre, La.
NAD	Deer Island, Mass.	NBX	Burrwood, La.
NAE	Cape Cod, Mass.	NCZ	Cape Henry, Va.
NAF	Prices Neck, R. I.	NCZ	Poynters Hill, N. C.
NAP	Watch Hill, R. I.	NCZ	Hog Island, Va.
NAH	Rockaway Beach, N. Y.	NDW	Cape Hatteras, N. C.
NAH	Sandy Hook, N. J.	NFQ	Damiseove Island, Me.
NAH	Amagansett, L. I., N. Y.	NLI	Grand Island, La.
NAH	Fire Island, N. Y.	NSD	Cape Henlopen, Del.
NAH	Mantoloking, N. J.	NSD	Bethany Beach, Del.
NAN	Cape Lookout, N. C.	NSD	Cape May, N. J.
NAO	Morris Island, S. C.	NTW	Appledore Island, Me.
NAQ	Jupiter Inlet, Fla.	NXA	Chatham, Mass.
NBD	Bar Harbor, Me.	NZW	North Island, S. C.

### PACIFIC COAST.

NFH	Smith Island, Wash.	NPE	Ocean Park, Wash.
NNF	Cattle Point, Wash.	NPE	Fort Stevens, Wash.
NFT	New Dungeness, Wash.	NPF	Empire, Oreg.
NFT	Port Angeles, Wash.	NPI	Farallon Island, Calif.
NHL	West Port, Wash.	NPK	Point Arguello, Calif.
NLD	Bird Island, Calif.	NPL	Imperial Beach, Calif.
NLG	Point Reyes, Calif.	NPL	Point Loma, Calif.
NLH	Point Montara, Calif.	NPX	Point Fermin, Calif.
NMD	Point Hueneme, Calif.	NPW	Eureka, Calif.
NPD	Ship Point, Wash.	NZL	Avalon, Santa Cat., Calif.
NPD	Tatoosh, Wash.		

## A P P E N D I X .

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### TRANSMISSION OF HYDROGRAPHIC INFORMATION, WEATHER REPORTS, AND TIME SIGNALS BY NAVAL RADIO STATIONS.

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#### HYDROGRAPHIC INFORMATION.

Information concerning wrecks, derelicts, ice, and other dangerous obstructions to navigation whenever received from the Hydrographic Office or from a branch hydrographic office or other reliable source is sent broadcast four times daily, viz., at 8 a. m., noon, 4 p. m., and 8 p. m., local (standard) time of station. Ships within range of a naval radio station should be prepared to receive these hydrographic messages at the hours mentioned and should avoid sending radio messages at these times. One vessel sending may prevent several others receiving information necessary to their safety.

Naval radio stations will furnish this information to passing vessels on request, whenever practicable, at other hours than those mentioned above. Should it not be practicable to send out this information on one of the hours scheduled it will be held until the next scheduled time and sent out as soon as practicable after each hour scheduled.

Each day at noon and 10 p. m., seventy-fifth meridian, immediately following the time signal, the Naval Radio Station at Washington, D. C., will broadcast such information relating to safe navigation as may be furnished it by the Hydrographic Office during the preceding 24 hours. The same wave length, 2,500 meters, used in the time signal will be employed.

#### TRANSMISSION OF WEATHER REPORTS BY NAVAL RADIO STATIONS.

Through cooperation with local offices of the United States Weather Bureau, weather forecasts are sent broadcast to sea through naval coast radio stations at certain times, varying with the locality, as described below. Coast stations are generally prepared to give local forecasts to passing vessels without charge, on request.

##### ATLANTIC COAST.

Sent by Washington (NAA) on 2,500 meters wave length and Key West (NAR) on 1,500 meters wave length immediately following 10 p. m. time and hydrographic information (seventy-fifth meridian time).

The coast line is divided as follows:

North Atlantic, Halifax to New York; middle Atlantic, New York to Hatteras; south Atlantic, Hatteras to Key West; east Gulf, Key West to mouth of Mississippi; west Gulf, mouth of Mississippi to mouth of Rio Grande.

This bulletin consists of two parts, the first part containing code letters and figures expressing the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution at certain points along the eastern coast of North America, one point along the coast of the Gulf of Mexico, and one at Bermuda. The second

part contains a special forecast of the probable winds to be experienced a hundred miles or so offshore. The second part of the bulletin also contains certain warnings of severe storms along the coast whenever occasion arises.

The points for which weather conditions are furnished by the above bulletin are designated, respectively, by their initial letter, except in the case of Nantucket, for which the letter T is used; accordingly, S=Sydney, T=Nantucket, DB=Delaware Breakwater, H=Hatteras, C=Charleston, K=Key West, P=Pensacola, and B=Bermuda.

#### GREAT LAKES.

Sent by Great Lakes (NAJ) on 1,512 meters and Washington (NAA) on 2,500 meters immediately following 10 p. m. time and hydrographic information (ninetieth meridian time).

This bulletin is sent in a similar manner to the one sent out for the Atlantic coast, except the first part expresses the actual weather conditions at 7 p. m., ninetieth meridian time, on the day of distribution at certain points on the Great Lakes. These points are designated as follows: Du=Duluth, M=Marquette, U=Sault Sainte Marie, G=Green Bay, Ch=Chicago, L=Alpena, D=Detroit, V=Cleveland, and F=Buffalo.

This grouping begins on Lake Superior and ends on Lake Erie.

The second part contains a special forecast of the probable winds to be experienced on the Lakes.

Lakes Superior, Michigan, and Huron are considered the upper lakes, and Lakes Erie and Ontario the lower lakes.

All bulletins begin with the letters U. S. W. B. (United States Weather Bureau) and the weather conditions follow. The first three figures of a report represent the barometric pressure in inches (002=30.02); the next figure, the fourth in sequence, represents the direction of the wind to the eight points of the compass: 1=north, 2=north-east, 3=east, 4=southeast, 5=south, 6=southwest, 7=west, 8=northwest, and 0=calm. The fifth figure represents the force of the wind on the Beaufort scale following:

#### *Beaufort scale of wind force.*

Number and designation.	Statute miles per hour.	Nautical miles per hour.
0 Calm.....	0 to 3	0 to 2.6
1 Light air.....	8	6.9
2 Light breeze.....	13	11.3
3 Gentle breeze.....	18	15.6
4 Moderate breeze.....	23	20.0
5 Fresh breeze.....	28	24.3
6 Strong breeze.....	34	29.5
7 Moderate gale.....	40	34.7
8 Fresh gale.....	48	41.6
9 Strong gale.....	56	48.6
10 Whole gale.....	65	56.4
11 Storm.....	75	65.1
12 Hurricane.....	90 and over.	78.1 and over.

In order to simplify the code, no provision has been made for wind force greater than 9, strong gale, on the Beaufort scale. Whenever winds of force greater than 9 occur the number representing them is given in words instead of figures, thus: Ten, eleven, etc.

## EXAMPLES OF CODE.

U S W B S 96465 T 91674 DB 94686 H 99886 C 01214 K 02622 P 03613  
B 00065.

*Translation.*

United States Weather Bureau.

Station.	Pressure.	Wind.	
		Direction.	Force. <sup>1</sup>
Sydney.....	29.64	SW	5
Nantucket.....	29.16	W	4
Delaware Breakwater.....	29.46	NW	6
Hatteras.....	29.98	NW	6
Charleston.....	30.12	N	4
Key West.....	30.26	NE	2
Pensacola.....	30.36	N	3
Bermuda.....	30.00	SW	5

<sup>1</sup> See Beaufort scale.

U S W B Du 95826 M 97635 U 00443 G 96046 Ch 95667 L 00644 D 00842  
V 01054 F 01656

*Translation.*

United States Weather Bureau.

Station.	Pressure.	Wind.	
		Direction.	Force. <sup>1</sup>
Duluth.....	29.58	NE	6
Marquette.....	29.76	E	5
Sault Ste. Marie.....	30.04	SE	3
Green Bay.....	29.60	SE	6
Chicago.....	29.56	SW	7
Alpena.....	30.06	SE	4
Detroit.....	30.08	SE	2
Cleveland.....	30.10	S	4
Buffalo.....	30.16	S	6

<sup>1</sup> See Beaufort scale.

## PACIFIC COAST.

Weather bulletins are obtained from the Weather Bureau, San Francisco, by the San Francisco Naval Radio Station at about 8.30 a. m. and 6 p. m. and forwarded by radio to North Head and San Diego as soon as practicable. Same is broadcasted by San Francisco, North Head, and San Diego at noon and 10 p. m. on 952 meters immediately after transmission of time signals. Hydrographic information and storm warnings are broadcasted immediately upon receipt by Tatoosh, Puget Sound, North Head, Marshfield, San Francisco, and Point Arguello on 600 and 952 meters in succession, and also after broadcasting local weather report. Local weather reports broadcasted by Tatoosh, North Head, San Francisco, and San Diego at 8 a. m. and 4 p. m. on 600 meters and at noon and 10 p. m. 952 meters; and at noon and 10 p. m. by Puget Sound, Marshfield, and Point Arguello on 600 meters. Total weather report from Farallones Islands is forwarded to San Francisco for Marine Exchange at 8 a. m., noon, and 5 p. m.

The daily bulletin broadcasted by San Francisco, North Head, and San Diego will consist of two parts. The first part will contain code words and figures which will express the actual weather conditions at 5 p. m. (one hundred and twentieth meridian

time) on the day of distribution at certain points along the western coast of the United States. The second part of the bulletin will contain a special forecast of the probable winds to be experienced a hundred miles or so offshore, made by the United States Weather Bureau, San Francisco, for distribution to shipmasters by naval radio as above. The second part of the bulletin will also contain warnings of severe storms along the coast as occasion may arise.

The points on the Pacific coast from which weather conditions will be furnished will be designated, respectively, by their initial letter:

T=Tatoosh.

NH=North Head.

E=Eureka.

SF=San Francisco.

SD=San Diego.

The bulletin will begin with the letters "U S W B S F," signifying United States Weather Bureau, San Francisco, and the weather conditions will follow. The first three figures of a report will represent the barometric pressure in inches (964=29.64); the next figure, the fourth in sequence, will represent the direction of the wind to eight points of the compass:

1=North.

2=Northeast.

3=East.

4=Southeast.

5=South.

6=Southwest.

7=West.

8=Northwest.

0=Calm.

The fifth figure will represent the force of the wind on the Beaufort scale.

If the weather conditions for any station can not be supplied, the initial of the station will be given, followed by the word "Missing"; and if any portion of a report can not be furnished, such portion will be replaced by an equivalent number of letters, X.

The coast line of the western part of the United States will be divided as follows:

Northern Pacific, Tatoosh to Cape Blanco.

Central Pacific, Cape Blanco to Point Arguello.

Southern Pacific, Point Arguello to San Diego.

The forecast and warning will be in ordinary language, and will cover a period of 24 hours from 5 p. m., date of issue. At the end of the forecast a statement will be made in regard to the location and movement of any barometric depression that may be likely to affect the winds over the ocean.

Example of forecast and warnings:

Northern Pacific missing Central Pacific Wednesday rain heavy southeast winds Southern Pacific moderate southerly winds period Southeast storm warnings displayed Pointarguello to Capeblanco.

#### HAWAII.

Weather bulletins obtained from the United States Weather Bureau at Honolulu are broadcasted daily by the Pearl Harbor Radio Station at 8 a. m., noon, 4 p. m., and 8 p. m., local time.

#### TUTUILA, SAMOA.

Local weather bulletins preceded by the letter "T" are broadcasted by the Tutuila Naval Radio Station at 8 a. m., noon, 4 p. m., and 8 p. m., local time.

## TRANSMISSION OF TIME SIGNALS BY NAVAL RADIO STATIONS.

The transmission of time signals to vessels at sea by means of radiotelegraphy was first accomplished in the United States in 1905, and this service, enlarged and extended, has continued to the present time. This service is of the greatest value to mariners, as it furnishes a means by which the time, as given by the transmitted signals, may be compared with a ship's chronometer and the error of the chronometer found. Similar comparisons over a number of days enable data to be obtained by which not only the error may be found but also the chronometer rate; that is, the rate at which it is gaining or losing.

The noontime signals on the Atlantic coast are sent out through the coast radio stations by connection with Western Union telegraph lines from the United States Naval Observatory at Washington, D. C. By the operation of proper relays in electrical circuits, the beats of the seconds of a standard clock in the observatory are sent out broadcast as a series of radio dots, commencing five minutes before the time of the final signal. By omitting certain dots in a series, the comparison between the dots and the beats of the chronometer seconds can be checked until the instant of local noon (seventy-fifth meridian time) is reached. This is marked by a longer dot, which gives the time of exact noon. A comparison with the chronometer time at that instant gives its error referred to the seventy-fifth meridian time. Applying the difference in longitude, namely, five hours, between the seventy-fifth meridian and Greenwich, which is the standard meridian (or  $0^{\circ}$  longitude), the error of the chronometer referred to Greenwich time is determined.

According to information received from the Director of Naval Communications, time signals are being transmitted by the United States Naval Radio Stations as follows:

Station.	Call letters.	Wave length.	When sent.
Washington.....	NAA	Meters. 1 2,500	Daily at 11.55 a. m. to noon, and 9.55 to 10 p. m., standard time, seventy-fifth meridian.
Annapolis.....	NSS	2 17,000	Daily at 11.55 a. m. to noon, and 9.55 to 10 p. m., standard time, seventy-fifth meridian.
Key West.....	NAR	1 1,500	Daily at 11.55 a. m. to noon, standard time, seventy-fifth meridian.
New Orleans.....	NAT	1 1,000	Daily at 11.55 a. m. to noon, standard time, seventy-fifth meridian.
Balboa, Panama.....	NBA	2 7,000	Daily at 4.55 to 5 a. m., and 12.55 to 1 p. m., standard time, seventy-fifth meridian.
Colon, Panama.....	NAX	1 1,500	Daily at 4.55 to 5 a. m., and 12.55 to 1 p. m., standard time, seventy-fifth meridian.
Cavite, P. I.....	NPO	1 952 2 5,000	Daily at 10.55 to 11 a. m., and 9.55 to 10 p. m., standard time, one hundred and twentieth meridian, east.
North Head, Wash.....	NPE	1 2,800	Daily at 11.55 a. m. to noon, standard time, one hundred and twentieth meridian, west.
Eureka, Calif.....	NPW	1 2,000	Daily at 11.55 a. m. to noon, standard time, one hundred and twentieth meridian, west.
Point Arguello, Calif.....	NPK	1 1,512	Daily except Sundays and holidays at 11.55 a. m. to noon, standard time, one hundred and twentieth meridian, west.
San Diego, Calif.....	NPL	2 9,800 1 2,400	Daily except Sundays and holidays at 11.55 a. m. to noon, standard time, one hundred and twentieth meridian, west.
San Francisco, Calif.....	NPH	1 4,800 1 2,400	Daily at 11.55 a. m. to noon, standard time, one hundred and twentieth meridian, west.
Great Lakes, Ill.....	NAJ	1 1,512	Daily except Sundays and holidays at 10.55 a. m. to 11 a. m., standard time, ninetieth meridian.
Pearl Harbor, Hawaii.....	NPM	2 11,200 1 600	Daily at one hundred and eighteenth meridian, mean noon.

<sup>1</sup> Spark.<sup>2</sup> Arc.

## INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS.

[To be used for all general public-service radio communication. (1) A dash is equal to three dots; (2) the space between parts of the same letter is equal to one dot; (3) the space between two letters is equal to three dots; (4) the space between two words is equal to five dots.]

A .—	Period .....	• • • •
B —... .	Semicolon.....	— • • — •
C —... — .	Comma.....	— • • — —
D —... . .	Colon.....	— — • • •
E .	Interrogation.....	• • — • •
F ... . .	Exclamation point.....	— — • • — —
G —... — .	Apostrophe.....	• — — — —
H .... .	Hyphen.....	— • • • —
I .. .	Bar indicating fraction.....	— — • • •
J . — — —	Parenthesis.....	— • — — —
K — . —	Inverted commas.....	— — • • —
L . . . .	Underline.....	• • — — —
M — —	Double dash.....	— — • • —
N — .	Distress call.....	• • — — — • •
O — — —	Attention call to precede every transmission.....	— — • — —
P . . . .	General inquiry call.....	— — • — — —
Q — . — —	From (de).....	— — • •
R . . . .	Invitation to transmit (go ahead).....	— — —
S ... .	Warning—high power.....	— — • • — —
T —	Question (please repeat after .....)—interrupting long messages.....	• • — — • •
U ... —	Wait.....	— • • •
V ... — —	Break (Bk.) (double dash).....	— — • • —
W . — —	Understand.....	• • — — •
X — . — —	Error.....	• • • • •
Y — . — — —	Received (O. K.).....	— — —
Z — — — —	Position report (to precede all position messages).....	— — • — •
Ä (German)	End of each message (cross).....	— — — — •
· · — — —	Transmission finished (end of work) (conclusion of correspondence).....	• • — — •
À or Å (Spanish-Scandinavian)		
· · — — —		
CH (German-Spanish)		
— — — — —		
É (French)		
· · — — —		
Ñ (Spanish)		
— — — — —		
Ö (German)		
— — — — —		
Ü (German)		
· · — — —		
1 . — — — —		
2 . . — — — —		
3 . . . — — —		
4 . . . . — —		
5 . . . . .		
6 — . . . .		
7 — — . . .		
8 — — — . .		
9 — — — — .		
0 — — — — —		

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATIONS.<sup>1</sup>

Abbreviation.	Question.	Answer or notice.
C Q	— · — · — — · —	Signal of inquiry made by a station desiring to communicate.
T R	— — · —	Signal announcing the sending of particulars concerning a station on shipboard (Art. XXII).
(I)	— — — · — —	Signal indicating that a station is about to send at high power.
PRB	Do you wish to communicate by means of the International Signal Code?	I wish to communicate by means of the International Signal Code.
QRA	What ship or coast station is that?	This is .....
QRB	What is your distance?	My distance is .....
QRC	What is your true bearing?	My true bearing is ..... degrees.
QRD	Where are you bound for?	I am bound for .....
QRF	Where are you bound from?	I am bound from .....
QRG	What line do you belong to?	I belong to the ..... Line.
QRH	What is your wave length in meters?	My wave length is ..... meters.
QRJ	How many words have you to send?	I have ..... words to send.
QRK	How do you receive me?	I am receiving well.
QRL	Are you receiving badly? Shall I send 20..... · · · · · for adjustment?	I am receiving badly. Please send 20. · · · — · for adjustment.
QRM	Are you being interfered with?	I am being interfered with.
QRN	Are the atmospherics strong?	Atmospherics are very strong.
QRO	Shall I increase power?	Increase power.
QRP	Shall I decrease power?	Decrease power.
QRQ	Shall I send faster?	Send faster.
QRS	Shall I send slower?	Send slower.
QRT	Shall I stop sending?	Stop sending.
QRU	Have you anything for me?	I have nothing for you.
QRV	Are you ready?	I am ready. All right now.
QRW	Are you busy?	I am busy (or, I am busy with ..... Please do not interfere).
QRX	Shall I stand by?	Stand by. I will call you when required.
QRY	When will be my turn?	Your turn will be No. .....
QRZ	Are my signals weak?	Your signals are weak.
QSA	Are my signals strong?	Your signals are strong.
QSB	Is my tone bad?	The tone is bad.
QSC	Is my spark bad?	The spark is bad.
QSD	Is my spacing bad?	Your spacing is bad.
QSF	What is your time?	My time is .....
QSG	Is transmission to be in alternate order or in series?	Transmission will be in alternate order.
QSH		Transmission will be in series of 5 messages.
QSJ	What rate shall I collect for?	Transmission will be in series of 10 messages.
QSK	Is the last radiogram canceled?	Collect .....
QLL	Did you get my receipt?	The last radiogram is canceled.
		Please acknowledge.

<sup>1</sup> When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATIONS—Continued.

Abbreviation.	Question.	Answer or notice.
QSM	What is your true course? .....	My true course is ..... degrees.
QSN	Are you in communication with land? .....	I am not in communication with land.
QSO	Are you in communication with any ship or station (or: with .....)?	I am in communication with ..... (through .....).
QSP	Shall I inform ..... that you are calling him?	Inform ..... that I am calling him.
QSQ	Is ..... calling me? .....	You are being called by .....
QSR	Will you forward the radiogram? .....	I will forward the radiogram.
QST	Have you received the general call? .....	General call to all stations.
QSU	Please call me when you have finished (or: at ... o'clock).	Will call when I have finished.
QSV <sup>1</sup>	Is public correspondence being handled? .....	Public correspondence is being handled. Please do not interfere.
QSW	Shall I increase my spark frequency? .....	Increase your spark frequency.
QSX	Shall I decrease my spark frequency? .....	Decrease your spark frequency.
QSY	Shall I send on a wave length of ..... meters?	Let us change to the wave length of ..... meters.
QSZ	.....	Send each word twice. I have difficulty in receiving you.
QTA	.....	Repeat the last radiogram.
QTE	What is my true bearing? .....	Your true bearing is ..... degrees from .....
QTF	What is my position? .....	Your position is ..... latitude ..... longitude.

<sup>1</sup> Public correspondence is any radio work, official or private, handled on commercial wave lengths.



## TUTE

Minneapolis, Minn.

Missoula, Mont.

980	895
905	1790
948	1947
140	252
125	2134
935	1706
733	1740
356	1348
603	1578
632	1640
699	670
235	1074
542	1552
156	1115
219	819
870	1312
1087	1595
399	891

# FUTE

Minneapolis, Minn.	Missoula, Mont.	Mesquite, Tenn.
980	895	112
905	1790	22
948	1947	52
1140	252	162
125	2134	92
1335	1706	95
733	1740	63
356	1348	36
603	1578	23
632	1640	42
699	670	101
235	1074	52
542	1552	46
156	1115	116
219	819	90
870	1312	64
087	1595	66
399	891	68







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# COMMERCIAL AND GOVERNMENT RADIO STATIONS OF THE UNITED STATES

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EDITION JUNE 30, 1921



WASHINGTON  
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1921

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Additional copies of this publication may be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Amateur Radio Stations of the United States, 15 cents; Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in radio laws and regulations and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year.

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## NOTES.

Supplements, under the title "Radio Service Bulletin," are issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction and to those concerned with the operation of Government and commercial radio stations for their information.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

Copies of this bulletin may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per year.

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Underscoring of normal wave length is indicated by the use of italics.

### ABBREVIATIONS USED IN THIS LIST.

#### Nature of service:

PG=General public.

PR=Limited public.

P=Private (limited commercial and special).

O=Government business exclusively.

#### Hours of operation:

N=Continuous service.

X=No regular hours.

#### Vessel owners:

U. S. S. B.=United States Shipping Board.

#### Radio companies:

C. & W. R. C.=Cutting & Washington Radio Corporation.

F. T. Co.=Federal Telegraph Co.

I. R. T. Co.=International Radio Telegraph Co.

I. W. T. Co.=Independent Wireless Telegraph Co.

R. C. of A.=Radio Corporation of America.

S. O. R. S.=Ship Owners Radio Service.

T. R. T. Co.=Tropical Radio Telegraph Co.

#### Classification:

b=Ship station.

c=Land station.

DF=Direction-finding service only, general public, no charges.

# **COMMERCIAL AND GOVERNMENT RADIO STATIONS OF THE UNITED STATES.**

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## **INTRODUCTION.**

The list, including land and ship stations, is published in accordance with section 1 of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

This publication contains a complete list of the commercial and Government land and ship stations, technical and training stations, experimental stations, and special amateur stations. A complete list of Amateur Radio Stations of the United States is printed separately, copies of which are available only from the Superintendent of Documents, Government Printing Office, Washington, D. C., at a nominal price.

The following instructions concerning radio call letters are issued for the information of those concerned:

1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:

SEC. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.

2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention, and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus authorized is printed as follows for the guidance of operators of all stations (ship and shore) of the United States:

AAA to AMZ..	Germany.	OJA to OJZ ..	Finland.
ANA to APZ..	Dutch Indies.	OKA to OKZ..	Czechoslovakia.
AQA to AWZ..	Norway.	OLA to OMZ ..	Netherlands.
AXA to AZZ..		ONA to OTZ..	Belgium and colonies.
B.....	Great Britain.	OUA to OZZ ..	Denmark.
CAA to CEZ...	Chile.	PAA to PIZ...	Netherlands.
CFA to CKZ ..	Great Britain and pro- tectorates.	PJA to PJM...	Curacao.
CLA to CMZ..	Spain.	PJN to PJZ...	Surinam.
CNA to CNZ..	Morocco.	PKA to PMZ..	Dutch Indies.
COA to COZ ..	Great Britain.	PNA to PPZ..	Brazil.
CPA to CPZ ..	Bolivia.	PQA to PSZ...	Portugal.
CQA to CQZ ..	Monaco.	PTA to PVZ ..	Brazil.
CRA to CUZ..	Portugal and possessions.	PWA to PWZ ..	Cuba.
CVA to CVZ ..	Roumania.	PXA to PZZ..	Netherlands.
CWA to CWZ..	Uruguay.	Q.....	Reserved for code abbreviations.
CXA to CXZ..	Spain.	R.....	Russia.
CYA to CZZ...	Mexico.	SAA to SMZ ..	Sweden.
D.....	Germany.	SNA to STZ..	Brazil.
EAA to EHZ..	Spain and colonies.	SUA to SUZ ..	Egypt.
EIA to EZZ...	Great Britain.	SVA to SZZ...	Greece.
F.....	France and colonies.	TAA to TEZ..	Turkey.
G.....	Great Britain.	TFA to TFZ ..	Iceland.
HAA to HAZ..	Hungary.	TGA to THZ..	Greece.
HBA to HBZ..	Switzerland.	TIA to TOZ...	Spain.
HCA to HCZ..	Ecuador.	TPA to TUZ..	Norway.
HDA to HEZ ..	Netherlands.	TVA to TZZ ..	Netherlands.
HFA to HFZ..	Kingdom of Serbia.	UAA to UMZ..	France and colonies and, protectorates.
HGA to HHZ.	Siam.	UNA to UNZ..	Kingdom of Serbia.
HIA to HIZ..	Dominican Republic.	UOA to UOZ..	Austria.
HJA to HKZ ..	Republic of Colombia.	UPA to UZZ..	Italy.
HLA to HNU.	Spain.	VAA to VGZ..	Canada (British).
HNV to HNZ .	New Hebrides.	VHA to VKZ..	Australia (British).
HOA to HZZ..	France and colonies and protectorates.	VLA to VMZ..	New Zealand (British).
I.....	Italy and colonies.	VNA to VNZ..	South African Union (British).
J.....	Japan and colonies.	VOA to VOZ ..	Newfoundland (British).
KAA to KBZ..	Germany.	VPA to VSZ ..	British colonies not au- tonomous.
KCA to KCZ..	Latvia.	VTA to VWZ..	British India.
KDA to KZZ..	United States.	VXA to VZZ..	Colonies and protec- torates of Great Britain.
LAA to LHZ..	Norway.	W.....	United States.
LIA to LRZ...	Argentine Republic.	XAA to XDZ ..	Mexico.
LSA to LUZ ..	Great Britain.	XEА to XMZ ..	Great Britain.
LVA to LVZ..	Guatemala.	XNA to XSZ..	China.
LWA to LWZ ..	Norway.	XTA to XZZ..	Great Britain.
LXA to LZZ..	Bulgaria.	Y.....	Great Britain.
M.....	Great Britain.	Z.....	Great Britain.
N.....	United States.		
OAA to OBZ <sup>1</sup> ..	Peru...		
OCA to OFZ ..	Great Britain.		
OGA to OIZ...	Denmark.		

<sup>1</sup> Provisionally.

**PUBLIC-SERVICE STATIONS.**

3. The call letters assigned to the United States are all three and four letter combinations beginning with the letter N and all beginning with the letter W, and all combinations from KDA to KZZ, inclusive. The international call letters assigned to the United States are reserved for Government stations and stations open to public and limited commercial service.

(a) All combinations beginning with the letter N are reserved for Government stations, and, in addition, the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the United States Army.

(b) During the war the combinations of three letters beginning with K, W, and N were exhausted, and it was necessary to assign combinations of four letters beginning with K, W, and N. Operators should be careful in transmitting call letters to avoid confusion between the three and the four letter combinations.

**LIMITED COMMERCIAL STATIONS.**

4. Call letters for limited commercial land and ship stations are allotted by the Bureau of Navigation.

**RADIO STATIONS OF THE WORLD.**

5. The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland. In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates. The international list includes the Government and commercial land and ship stations of the United States. The list is divided into three sections. The first section contains a list of coast stations, grouped by countries and arranged alphabetically; the second section contains a list of ship stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are stated in francs and centimes. Supplements to the international list will be issued monthly and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business, as the official tariff book, and a copy of this list is required as a part of the equipment of

every land station open to general public service and every ship station of the first or second class on American vessels engaged in foreign trade or the transoceanic service. The international alphabetical list of call letters (stations of the world) is also issued by the International Bureau at Berne, and supplements are issued monthly. Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

E. T. CHAMBERLAIN,  
*Commissioner of Navigation.*

Approved:

HERBERT HOOVER,  
*Secretary of Commerce.*

# COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Akutan, Alaska.....	KMW	300, 450, 600	PR	X	North Pacific Sea Products Co.
Alitak, Alaska.....	KYL	300, 500, 600	PR	X	Alaska Packers Ass'n.
Amugnis, P. I.....	KDRF				Philippine Insular Government.
Babylon, N. Y. <i>See</i> New York, N. Y.	WSE				Independent Wireless Teleg. Co.
Bakersfield, Calif.....	KDNT	425	PR	X	San Joaquin Light & Power Corp.
Batangas, P. I.....	KUXK				Philippine Insular Government.
Baytown, Tex.....	KDPS	300, 600	PR	X	Humble Oil & Refining Co.
Beaumont, Tex.....	WOD	300, 440, 600	PR	X	Magnolia Petroleum Co.
Becharof, Alaska.....	KUDV	300, 500, 600	PR	X	Alaska Packers Ass'n.
Belfast, Me.....	WNN	300, 450, 600, 1800	PG	N	International Radio Teleg. Co.
Belmar, N. J. <i>See</i> New Brunswick, N. J.	WII				Radio Corp. of America.
Bolinas, Calif.....	KET	5860, 6700, 7020	PR	N	Do.
Bolinas, Calif.....	KPH	300, 450, 600	PG	N	Do.
Boston, Mass.....	WBF	300, 450, 600, 1800	PG	N	Tropical Radio Teleg. Co.
Bristol Bay, Alaska. <i>See</i> Metha Nelson.	KMP				Alaska Packers Ass'n.
Brooklyn, N. Y.....	WCG	300, 450, 600, 1800	PG	N	International Radio Teleg. Co.
Burrwood, La.....	WBW	300, 600, 1700	PG	X	Tropical Radio Teleg. Co.
Butte, Mont.....	KMN	550, 1700	PR	X	Montana Power Co.
Camp 60, Calif.....	KDPV	300, 540, 600	PR	X	Southern California Edison Co.
Camp 61, Calif.....	KDPW	300, 540, 600	PR	X	Do.
Cape Edwards, Alaska.....	KEY	300, 550, 600	PR	X	Deep Sea Salmon Co.
Cape May, N. J.....	WCY	300, 600	PG	N	International Radio Teleg. Co.
Cascada, Calif.....	KDPU	300, 540, 600	PR	X	Southern California Edison Co.
Cebu, P. I.....	KUXJ				Philippine Insular Government.
Chatham, Mass.....	WCC	300, 450, 600, 1800	PG	N	Radio Corp. of America.
Chatham, Mass. <i>See</i> Marion, Mass.	WSO				Do.
Cheboygan, Mich.....	KUXM	300, 450, 600	PR	X	Warren W. Kathan.
Chicago, Ill.....	WGO	300, 600, 2000	PR	(*)	Inter-City Radio Co.
Chignik, Alaska.....	KHC	300, 600, 1610	PR	X	Alaska Packers Ass'n.
Chisik Island, Alaska.....	KUCP	300, 550, 600, 1650	PR	X	Surf Packing Co.
Clarks Point, Alaska.....	KHG	300, 400, 500, 600	PR	X	Alaska Packers Ass'n.
Cleveland, Ohio.....	KDPM	300, 330, 500, 600	P	X	Westinghouse Electric & Mfg. Co.
Cleveland, Ohio.....	WCX	300, 600, 1640, 2050	PR	(*)	Inter-City Radio Co.
Culion, P. I.....	KDLQ				Philippine Insular Government.
Cuyo, P. I.....	WVX	600, 1200	PG	X	Do.
Dallas, Tex.....	KUXP	300, 500, 600	PR	N	Continental Radio Teleg. & Telp. Co.
Daly, Alaska.....	KDJT	300, 500, 600	PR	X	Alaska-Portland Packers Ass'n.
Davao, P. I.....	WVO	600, 1200	PG	X	Philippine Insular Government.
Dearborn, Mich.....	KDEN	300, 460, 480, 500, 520, 600	PR	X	Henry Ford.
Detroit, Mich.....	KDPH	300, 400, 600, 1625	PR	X	Detroit-Edison Co.
Detroit, Mich.....	WDR	300, 600, 1850, 3062	PR	(*)	Inter-City Radio Co.
East Hampton, N. Y.....	WSA	300, 600, 1800	PG	N	Cutting & Washington Radio Corp.
East Moriches, N. Y.....	WBC	300, 450, 600	PG	N	Independent Wireless Teleg. Co.
East Pittsburgh, Pa.....	KDKA	500, 3200	PR	(*)	Westinghouse Electric & Mfg. Co.
Egegik, Alaska.....	KMF	300, 550, 600	PR	X	Libby, McNeill & Libby.
Ekuk, Alaska.....	KMG	300, 500, 600	PR	X	Do.
Ensenada, P. R.....	WPR	300, 600, 1800	PG	X	S. Porto Rico Sugar Co. of Porto Rico
Fairport, Va.....	KDAH	300, 450, 600	PR	(*)	C. E. Davis Packing Co.
Fall River Mills, Calif.....	KDJ	200, 250, 275, 300, 600	PR	X	George H. Taylor.
Fall River Valley, Calif.....	KDQN	1650	PR	X	Pacific Gas and Electric Co.
False Pass, Alaska.....	KJL	300, 525, 600, 2000	PR	X	P. E. Harris & Co.

<sup>1</sup> Operates 23 hours during every 24 hours.

<sup>2</sup> Operates from 8:30 a. m. to 5 p. m.

<sup>3</sup> Operates from 7 a. m. to 9 p. m.

<sup>4</sup> Operates from 7 a. m. to 6 p. m.

## 10 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Ferris Oil Field, Wyo.	KDIC	425	PR	X	General Petroleum Corp. of Calif.
Fort Worth, Tex.	KDMK	500	PR	N	Continental Radio Teleg. & Telp. Co.
Fresno, Calif.	KDNU	425	PR	X	San Joaquin Light & Power Corp.
Funter, Alaska	KXK	300, 550, 600	PR	X	Thincket Packing Co.
Galveston, Tex.	KDLZ	300, 375, 425, 600	PR	X	Sugarland Industries.
Hawk Inlet, Alaska	KKAI	300, 550, 600	PR	X	P. E. Harris & Co.
Hillsboro, Oreg.	KGH	300, 600, 8300, 9400, 14200, 15300	PR	X	Federal Telegraph Co.
Hog Island, Pa.	KDAB	.....	P	X	American International Shpg. Corp.
Hyder, Alaska	KDFA	300, 550, 600, 1610	PG	X	Hyder Townsite & Improvement Co.
Ikatan, Alaska	KXW	300, 450, 600	PR	X	Pacific American Fisheries.
Iloilo, P. I.	KUVM	.....	.....	.....	Philippine Insular Government. Do.
Isabela de Basilan, P. I.	KHI	200	PG	X	Kreetan Co.
Johnswood, Mich.	KUVQ	300, 450, 600	PR	X	Philippine Insular Government.
Jolo, P. I.	WVS	600	PG	X	Miles City-Jordan Wireless Co.
Jordan, Mont.	KUVR	500	PR	(1)	Jualin Alaska Mines Co.
Jualin, Alaska	KJA	300, 600, 1980	PG	X	Radio Corp. of America.
Kahuku, Hawaii	KIE	300, 600, 16435	PR	N	Jualin Alaska Mines Co.
Karluk, Alaska	KYK	300, 550, 600	PR	X	Alaska Packers Ass'n.
Kaunakakai, Hawaii	KHO	300, 550, 600	PR	(2)	Mutual Telephone Co.
Kawaihae, Hawaii	KHN	300, 550, 600	PR	(3)	Mutual Telephone Co.
King Cove, Alaska	KJK	300, 450, 600, 1610	PG	X	Pacific American Fisheries.
Koggiung, Alaska (moored vessel)	KUBX	300, 400, 600	PR	X	Alaska Packers Ass'n.
Koggiung, Alaska	KVV	300, 450, 600, 1610	PR	X	Libby, McNeill & Libby.
Koko Head, Hawaii. See Kahuka, Hawaii.	KIE	.....	.....	.....	Radio Corp. of America.
Kussilof, Alaska	KKAO	525, 600, 1610	PR	X	Alaska Packers Ass'n.
Kvichak, Alaska	KHB	300, 400, 500, 600	PR	X	Do.
Kwiguk Slough, Alaska	KOV	550, 600, 1610	PG	X	Carlisle Packing Co.
Lahaina, Hawaii	KHL	300, 550, 600	PR	(2)	Mutual Telephone Co.
Latouche, Alaska	KIM	300, 600, 1650	PG	X	Kennecott Copper Corp.
Lazy Bay, Alaska	KEPS	300, 600, 1650	PR	X	Alitak Packing Co.
Libbyville, Alaska	KMT	300, 600, 1700, 2200	PG	X	Libby, McNeill & Libby.
Lihue, Hawaii	KHM	300, 550, 600	PR	(2)	Mutual Telephone Co.
Lockanok, Alaska	KML	300, 550, 600, 1650	PR	X	Libby, McNeill & Libbey.
Long Beach, Calif.	KUXT	300, 350, 400, 450, 500, 600	PR	(4)	Pacific Telep. & Teleg. Co.
Lost Harbor, Alaska	KWS	300, 600	PR	X	Alaska Sulphur Co.
Malabang, P. I.	WVT	600, 1200	PG	X	Philippine Insular Government. Do.
Malangas, P. I.	KUXG	.....	.....	.....	Do.
Malita, P. I.	KDLP	.....	.....	.....	Radio Corp. of America.
Marion, Mass.	WSO	12000	PR	N	John C. Currin.
Marshall, Alaska	KIS	300, 550, 600, 1650	PR	X	.....
Marshall, Calif. See Boninas, Calif.	KET	.....	.....	.....	Radio Corp. of America.
Metha Nelson (moored vessel)	KMP	300, 400, 600	PR	X	Alaska Packers Ass'n.
Miles City, Mont.	KUXN	500	PR	(1)	Miles City-Jordan Wireless Co.
Nakat Inlet, Alaska	KDW	300, 525, 600, 1700, 2000	PR	X	G. W. Hume & Co.
Naknek, Alaska	KHT	300, 600, 1610	PR	X	Alaska Packers Ass'n.
Naknek, Alaska	KMK	300, 500, 600	PR	X	Naknek Packing Co.
Nelson Lagoon, Alaska	KXV	300, 450, 600	PR	X	Pacific American Fisheries.
Newark, N. J.	WJZ	300, 600, 3100,	PR	(5)	Westinghouse Electric & Mfg. Co.
New Brunswick, N. J.	WII	13600	PR	N	Radio Corp. of America.
New Brunswick, N. J.	WNY	300, 450, 600	PG	N	Do.
New London, Conn.	WLC	300, 600, 1800	PG	N	International Radio Teleg. Co.
New Orleans, La.	WNU	300, 600, 1700	PG	N	Tropical Radio Teleg. Co.
Newport, R. I.	WCI	300, 450, 600	PG	N	International Radio Teleg. Co.
New York, N. Y.	KDKF	200, 300, 450, 600	PR	N	Radio School of the Seamen's Church Institute.
New York, N. Y.	WHB	300, 600, 2710	PR	X	E. J. Simon.
New York, N. Y.	WHI	300, 600, 1700	PR	(?)	John Wanamaker.
New York, N. Y.	WSE	300, 450, 600, 1800	PG	N	Independent Wireless Teleg. Co.

<sup>1</sup> Operates from 8 a. m. to 6 p. m.<sup>2</sup> Operates from 7 a. m. to 5:30 p. m.<sup>3</sup> Operates from 7 a. m. to 12 p. m.<sup>4</sup> Operates from 7 a. m. to 11 p. m.<sup>5</sup> Operates from 8 a. m. to 10 p. m.<sup>6</sup> Operates from 8 p. m. to 5 a. m.<sup>7</sup> Operates from 9 a. m. to 5 p. m.

COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
New York, N. Y.....	WSK	300, 450, 600	PR	(1)	Panama R. R. Co.
Nixon Fork, Alaska.....	KDRY	300, 800, 1650	PR	X	Alaska Treadwell Gold Mining Co.
Northville, Mich.....	KDEP	300, 500, 600	PR	X	Henry Ford.
Nushagak, Alaska.....	KKAE	300, 600, 1600	PR	X	Libby, McNeill & Libby.
Ogden, Utah.....	KUPQ	200, 425	PR	X	Ogden-Portland Cement Co.
Palo Alto, Calif.....	KWT	300, 600, 8300, 9400, 14200, 15300	PR	X	Federal Telegraph Co.
Pedro citrus, Calif.....	KUXV	300, 350, 400, 450, 500, 600	PR	(2)	Pacific Telep. & Teleg. Co.
Philadelphia, Pa.....	WHE	300, 600, 1700	PR	(3)	John Wanamaker.
Pilot Point, Alaska.....	KUDT	300, 500, 600	PR	X	Alaska Packers Ass'n.
Pirate Cove, Alaska.....	KOXX	300, 600, 1650	PR	X	Union Fish Co.
Port Althorp, Alaska.....	KLW	300, 450, 525, 600	PR	X	Deep Sea Salmon Co.
Port Beauchaire, Alaska.....	KWO	300, 550, 600	PR	X	Beauclaire Packing Co.
Port Chatham, Alaska.....	KWH	300, 600, 1650	PR	X	Alaska Ocean Food Co.
Port Lebak, P. I.....	KDMX	300, 400, 500, 600, 1625	PR	X	Philippine Insular Government.
Port Huron, Mich.....	KDPJ	300, 400, 500, 600, 1625	PR	X	Detroit-Edison Co.
Port Moller, Alaska.....	KWR	300, 450, 600, 1610	PR	X	Pacific-American Fisheries.
Port Walter, Alaska.....	KEQ	300, 500, 525, 600	PG	X	Alaska Herring & Sardine Co.
Puerto Princesa, P. I.....	WVV	600, 1200	PG	X	Philippine Insular Government.
Quincy, Mass.....	KDGU	300, 600, 1985	PR	X	Bethlehem Shipbuilding Corp.
Radioville, Alaska.....	KWW	300, 550, 600	PR	X	Joseph T. Bauer.
Rainbow, Mont. (near Great Falls, Mont.)	KLQ	550, 1700	PR	X	Great Falls Power Co.
Rawlins, Wyo.....	KDIB	425	PR	X	General Petroleum Corp. of Calif.
Rockland, Me.....	WST	300, 450, 600, 1800	PG	N	East Coast Fisheries Co.
Ruby, Alaska (moored vessel).	KDRH	300, 400, 600	PR	X	Alaska Packers Ass'n.
Saltchuck, Alaska.....	KWQ	300, 525, 600, 1650	PR	X	Saltchuck Mining Co.
San Diego, Calif.....	KDPT	200, 300, 425, 600	PR	X	Southern Electrical Co.
San Francisco, P. I.....	KDLR	300, 600, 1650	PR	X	Philippine Insular Government.
San Francisco, Calif.....	KDQO	300, 600, 1650	PR	X	Pacific Gas and Electric Co.
San Francisco, Calif.....	KDRO	300, 450, 600, 1605	PR	X	Bethlehem Shipbuilding Corp.
San Francisco, Calif.....	KFS	300, 600, 1800	PG	N	Federal Telegraph Co.
San Francisco, Calif.....	KHH	300, 570, 600	PR	X	John P. Hickey.
San Jose, P. I.....	WVY	600	PG	X	Philippine Insular Government.
Seattle, Wash.....	KPA	300, 600	PG	N	Puget Sound Wireless Teleg. Co.
Seattle, Wash.....	KPE	300, 450, 600	PR	N	City of Seattle.
Siasconset, Mass.....	WSC	300, 450, 600	PG	X	International Radio Teleg. Co.
Snag Point, Alaska.....	KHF	300, 400, 500, 600	PR	X	Alaska Packers Ass'n.
Sugarland, Tex.....	KDLY	300, 375, 425, 600	PR	X	Sugarland Industries.
Sulzer, Alaska.....	KKAA	300, 550, 600	PR	X	Chas. A. Sulzer.
Superior, Mich.....	KDPI	300, 500, 600, 1625	PR	X	Detroit-Edison Co.
Susanville, Calif.....	WDK	200, 250, 275, 300, 600	PR	X	R. D. Mayes.
Tenakee, Alaska.....	KOSC	300, 550, 600	PG	X	Columbia Salmon Co.
Thompson Falls, Mont.....	KLL	550, 1700	PR	X	Thompson Falls Power Co.
Tuckerton, N. J.....	WGG	300, 600, 16000	PR	N	Radio Corp. of America.
Tulsa, Okla.....	KDTG	425, 450	PR	N	Southwestern Wireless Teleg. & Telep. Co.
Ugashik, Alaska.....	KMU	300, 500, 600	PR	X	Red Salmon Canning Co.
Unga Island, Alaska.....	KVI	300, 600, 1650	PR	X	Alaska Codfish Co.
Uyak, Alaska.....	KHA	300, 600, 1610	PR	X	Alaska Packers Ass'n.
Wahiawa, Hawaii.....	KHK	300, 550, 600	PG	N	Mutual Telephone Co.
Warren, Alaska.....	KDJU	300, 500, 600	PR	X	Alaska-Portland Packers Ass'n.
Washington Bay, Alaska.....	KQS	300, 550, 600, 1650	PR	X	Petersburg Packing Co.
Wichita Falls, Tex.....	KUXQ	1750	PR	N	Continental Radio Teleg. & Telep. Co.
Yakutat, Alaska.....	KKA	300, 550, 600 600, 1200	PR	X	Libby, McNeill & Libby.
Zamboanga, P. I.....	WVV	600, 1200	PG	X	Philippine Insular Government.

<sup>1</sup> Operates from 9 a. m. to 6 p. m., daily except Sunday.<sup>2</sup> Operates from 7 a. m. to 11 p. m.<sup>3</sup> Operates from 9 a. m. to 5 p. m.

# COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
<b>A. A. Dougherty</b>	KDHX	300, 450, 600	PG-X	National Oil Transport Co.	C. & W.
Abangarez	KDI	300, 600	PG-N	United Fruit Co.	T. R. T. Co.
Abercos	KOVR	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Ablanset	KIXF	300, 600	PG-X	do	I. W. T. Co.
Abner Coburn	WHR	300, 550, 600	PG-X	Libby, McNeill & Libby	S. O. R. S.
Abraham Lincoln	KIXS	300, 600	PG-X	U. S. S. B.	R. C. of A.
Abron	KEBD	300, 600	PG-N	do	Do.
Absaroka	WKW	300, 600	PG-X	do	I. W. T. Co.
Abscon	KSEA	300, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
A. C. Bedford	KNZ	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Accomac	KMOE	300, 600	PG-X	Panama R. R. Co.	Owner of vessel.
Achilles	KPT	300, 450, 600	PG-N	Standard Transportation Co.	R. C. of A.
Acme	KIJ	300, 450, 600	PG-X	Stephen D. Stephenidis	Do.
Acropolis	KDRI	300, 450, 600	PG-N	Pacific S. S. Co.	Do.
Admiral Dewey	WAY	300, 600	PG-N	do	Do.
Admiral Evans	KICZ	300, 450, 600	PG-N	do	Do.
Admiral Farragut	WAF	300, 600	PG-N	do	Do.
Admiral Goodrich	WRJ	300, 450, 525, 600	PG-N	do	Do.
Admiral Mayo	WZIO	300, 440, 525, 600	PG-X	Pacific-Alaska Navigation Co.	Do.
Admiral Nicholson	KMAA	300, 450, 600	PG-X	Pacific S. S. Co.	Do.
Admiral Rodman	WOA	300, 600	PG-N	do	Do.
Admiral Schley	WAZ	300, 600	PG-N	do	Do.
Admiral Sebree	WAG	300, 600	PG-X	Pacific-Alaska Navigation Co.	Do.
Admiral Sims	KXUO	300, 440, 525, 600	PG-X	do	Owner of vessel.
Admiral Wain-right	WSF	300, 450, 600	PG-X	Dollar S. S. Line	S. O. R. S.
Admiral Watson	WAW	300, 550, 600	PG-N	Pacific S. S. Co.	R. C. of A.
Adria	KUSZ	300, 450, 600	PG-X	U. S. S. B.	Owner of vessel.
Advance	KMV	300, 450, 600	PG-N	Panama R. R. Co.	S. O. R. S.
Aeolus	KOZC	300, 600	PG-N	U. S. S. B.	C. & W.
A. E. R. Schneider	WFUI	300, 450, 600	PG-X	Morrow S. S. Co.	R. C. of A.
Afel	KISQ	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Afoundria	KOMQ	300, 600	PG-X	do	I. W. T. Co.
Agarista	KLUU	300, 600	PG-X	do	Do.
Agawam	WNIE	300, 600	PG-X	do	Do.
Agememnon	KOXQ	300, 600	PG-N	do	Do.
Agron	KUVJ	300, 600	PG-X	do	Do.
Agwbay	KDSR	300, 600	PG-N	A. G. & W. I. S. S. Lines	Do.
Agwidale	WDQA	300, 600	PG-X	Mallory S. S. Co.	Do.
Agwihavre	KDRX	300, 600	PG-X	A. G. & W. I. S. S. Lines	Do.
Agwilake	KDNN	300, 600	PG-X	do	Do.
Agwimars	KDMC	300, 600	PG-X	do	Do.
Agwimoon	KDBC	300, 600	PG-X	do	Do.
Agwisea	KDMB	300, 600	PG-X	do	Do.
Agwismith	KDRC	300, 600	PG-N	do	Do.
Agwistar	KEPG	300, 600	PG-X	New York & Cuba Mail S. S. Co.	Do.
Agwistone	KDPO	300, 450, 600	PG-X	A. G. & W. I. S. S. Lines	Do.
Agwisun	KDAD	300, 600	PG-X	do	Do.
Agwiworld	KDMD	300, 600	PG-X	do	Do.
Agylla	KUXS	300, 450, 600	PG-X	National Oil Transport Co.	S. O. R. S.
Airlie	WBFI	300, 600	PG-X	Nacirema S. S. Corp.	I. W. T. Co.
Aisne	KDNC	300, 600	PG-N	U. S. S. B.	R. C. of A.
Ajax	KOI	300, 600	PG-X	South Seas Pacific Co.	S. O. R. S.
Ala	KDOB	300, 600	PG-X	U. S. S. B.	Do.
Alabama	WFB	300, 600	PG-N	Goodrich Transit Co.	R. C. of A.
Alabama	WRAE	300, 600	PG-N	Texas Co.	I. W. T. Co.
Alabat	WSAO	300, 600	PG-N	U. S. S. B.	R. C. of A.
Aladdin	KDQM	300, 600	PG-X	Standard Transportation Co.	S. O. R. S.
Alameda	KOBN	300, 600	PG-N	U. S. S. B.	Do.
Alameda	WAA	300, 440, 525, 600	PG-N	Alaska S. S. Co.	I. W. T. Co.
Alamo	KEJ	300, 450, 600	PG-N	Mallory S. S. Co.	S. O. R. S.
Alamosa	WLUI	300, 600	PG-X	U. S. S. B.	Do.
Alaska	WWF	300, 450, 525, 600	PG-N	Alaska S. S. Co.	Digitized by Google

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Alaskan.....	WKA	300, 600	PG-X	American-Hawaiian S. S. Co..	Owner of vessel.
Alberta.....	KZA	300, 600, 1800	PG-X	Fred G. Bourne.....	R. C. of A.
Albert E. Watts.....	KDDOK	300, 600	PG-X	Sinclair Navigation Co.....	S. O. R. S.
Alcona.....	WLNUO	300, 600	PG-X	U. S. S. B.....	Do.
Aledo.....	KEEPL	300, 600	PG-N	.....do.....	I. W. T. Co.
Algic.....	KDDC	300, 600	PG-X	.....do.....	R. C. of A.
Algonquin.....	KDKH	300, 450, 600	PG-X	Standard Transportation Co..	I. W. T. Co.
Algonquin.....	KIZT	300, 450, 600	PG-N	Clyde S. S. Co.....	Owner of vessel.
Alliea.....	KZB	300, 600	PG-X	Alfred I. Dupont.....	Do.
A. L. Kent.....	KDLL	300, 600	PG-X	Crowell & Thurlow S. S. Co..	Do.
Alaguash.....	KVX	300, 450, 525, 600	PG-X	American-Transatlantic Co..	Do.
Allegheny.....	WRAI	300, 600	PG-X	Great Lakes Transit Corp.....	S. O. R. S.
Allentown.....	KVIU	300, 600	PG-X	U. S. S. B.....	Owner of vessel.
Allianca.....	KMA	300, 450, 600	PG-N	Panama R. R. Co.....	R. C. of A.
Alliance.....	WRV	300, 600	PG-X	Gulf Mail S. S. Co.....	S. O. R. S.
Allies.....	KQUA	300, 600	PG-X	U. S. S. B.....	Do.
Alloway.....	KTAA	300, 600	PG-N	.....do.....	I. W. T. Co.
Aloha.....	KYH	300, 450, 600	PG-X	Arthur C. James.....	R. C. of A.
Alpena.....	WCS	300, 600	PG-X	Wyandotte Transportation Co..	S. O. R. S.
Ambridge.....	KIKQ	300, 600	PG-N	U. S. S. B.....	Do.
A. M. Byers.....	WMY	300, 600	PG-X	North American S. S. Co..	I. W. T. Co.
Amcross.....	KOVF	300, 600	PG-X	U. S. S. F.....	R. C. of A.
Amelia.....	WRF	300, 600	PG-X	Atlantic Fruit Co.....	Do.
America.....	KDOW	300, 600	PG-X	U. S. Mail S. S. Co.....	Do.
American.....	WKF	300, 600	PG-X	American-Hawaiian S. S. Co..	Owner of vessel.
American Press.....	KUDN	300, 600	PG-X	U. S. S. B.....	R. C. of A.
American Star.....	KIPP	300, 450, 600	PG-X	American Star Line.....	Do.
Amoleo.....	KMB	300, 600	PG-X	Boston Molasses Co.....	Owner of vessel.
Ampetco.....	KMUAU	300, 450, 600	PG-X	Standard Oil Co. of N. J..	R. C. of A.
Amphion.....	WJS	300, 600	PG-N	U. S. S. B.....	Do.
Anaconda.....	KOFD	300, 450, 600	PG-N	.....do.....	Do.
Anarcortes.....	KQOA	300, 600	PG-N	.....do.....	I. W. T. Co.
Anahuac.....	KUZL	300, 600	PG-X	.....do.....	Owner of vessel.
Ancon.....	KMS	300, 450, 600	PG-N	Panama R. R. Co.....	U. S. S. B.....
Andalusia.....	WJA	300, 600	PG-N	.....do.....	S. O. R. S.
Andrea F. Luck-embach.....	KIFV	300, 600	PG-N	Luckenbach S. S. Co.....	Do.
Andrew Jackson.....	KONQ	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Angeles. See The Angeles.....					Do.
Aniwa.....	KROE	300, 600	PG-N	.....do.....	Owner of vessel.
Anna E. Morse.....	KUTD	300, 600	PG-X	.....do.....	R. C. of A.
Annapolis.....	KDOM	300, 600	PG-X	City of Baltimore.....	Do.
Ann Arbor No. 3.....	WDN	300, 600	PG-X	Ann Arbor R. R. Co.....	Do.
Ann Arbor No. 4.....	WDO	300, 600	PG-X	.....do.....	Do.
Ann Arbor No. 5.....	WDP	300, 600	PG-X	Empire Trust Co.....	Do.
Ann Arbor No. 6.....	WDQ	300, 600	PG-X	Ann Arbor Boat Co.....	Do.
Annetta.....	WRG	300, 450, 600	PG-X	Atlantic Fruit Co.....	Do.
Annette Rolph.....	KETZ	300, 600	PG-X	Rolph Navigation & Coal Co..	Owner of vessel.
Anniston.....	KIDM	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Anniston City.....	KDSG	300, 600	PG-X	U. S. Steel Products Co.....	I. W. T. Co.
Anoka.....	KQEE	300, 600	PG-X	U. S. S. B.....	Do.
Anthracite Bridge.....	KUKG	300, 600	PG-X	.....do.....	R. C. of A.
Antietam.....	KONR	300, 600	PG-X	.....do.....	I. W. T. Co.
Antilla.....	KWD	300, 450, 600	PG-X	New York & Cuba Mail S. S. Co..	Do.
Antinous.....	KDAX	300, 450, 600	PG-X	Green Star S. S. Co.....	Owner of vessel.
Antonia.....	KOLD	300, 600	PG-N	Madrigal & Co.....	I. W. T. Co.
Apache.....	KVA	300, 450, 600	PG-N	Clyde S. S. Co.....	Do.
Apalachee.....	WSAE	300, 600	PG-X	U. S. S. B.....	Owner of vessel.
Apex.....	KGUI	300, 425, 600	PG-X	Wilson Fisheries Co.....	I. W. T. Co.
Apus.....	KDBZ	300, 600	PG-X	Nafra Co.....	Do.
Aquarius.....	KUSN	300, 600	PG-X	.....do.....	Owner of vessel.
Aquilo.....	KOCJ	300, 425, 600	P-X	H. F. Alexander.....	C. & W.
Aragon.....	KUKB	300, 600	PG-X	Hawki S. S. Line.....	I. W. T. CO.
Arapahoe.....	KVB	300, 450, 600	PG-N	Clyde S. S. Co.....	S. O. R. S.
Arcadia.....	WWD	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Archer.....	KXG	300, 600	PG-N	.....do.....	S. O. R. S.
Arcturus.....	KURD	300, 600	PG-X	U. S. S. B.....	Do.
Arden.....	KDPN	300, 600	PG-X	.....do.....	I. W. T. CO.
Ardmore.....	KIA	300, 450, 600	PG-X	Standard Oil Co. of N. J..	R. C. of A.
Arenas.....	KIRM	300, 600	PG-X	U. S. S. B.....	Do.
Argenta.....	KIKS	300, 600	PG-X	.....do.....	Do.
Argon.....	KUDD	300, 600	PG-X	Standard Transportation Co..	Do.
Argonne.....	KSIO	300, 450, 600	PG-X	Argonne S. S. Co.....	S. O. R. S.
Argonne.....	KDKW	300, 600	PG-N	U. S. S. B.....	Do.
Argosy.....	KDHL	300, 600	PG-X	.....do.....	S. O. R. S.
Argus.....	KUVVD	300, 600	PG-X	.....do.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Ario.....	KULM	300, 450, 600	PG-X	Standard Transportation Co.	R. C. of A.
Arizona.....	WFG	300, 600	PG-X	Goodrich Transit Co.	Do.
Arizonan.....	WKB	300, 600	PG-X	American Hawaiian S. S. Co.	Owner of vessel.
Arizpa.....	KULN	300, 600	PG-X	U. S. S. B.	
Armenia.....	KYRM	300, 600	PG-X	.....	I. W. T. Co.
Artemis.....	KDLJ	300, 600	PG-X	J. M. Scott	Owner of vessel.
Artemis.....	WQS	300, 600	PG-N	U. S. S. B.	I. W. T. Co.
Artigas.....	KURG	300, 600	PG-X	.....	Do.
Aryan.....	KOLB	300, 600	PG-X	Texas Co.	Do.
Asabeth.....	KIXG	300, 600	PG-X	U. S. S. B.	Do.
Ascutney.....	KYV	300, 600	PG-N	.....	R. C. of A.
Ashbee.....	KIGZ	300, 600	PG-X	.....	I. W. T. Co.
Ashland County.....	KOMR	300, 450, 600	PG-X	.....	S. O. R. S.
Ashtabula.....	WEZ	300, 600	PG-X	Pennsylvania & Ontario Navigation Co.	R. C. of A.
Askawake.....	KETM	300, 450, 600	PG-X	U. S. S. B.	
Aquam.....	KISV	300, 600	PG-X	.....	Do.
Assinipi.....	KIPB	300, 600	PG-X	.....	S. O. R. S.
Astmacheo III.....	WGB	300, 600	PG-X	Astmacheo 3 (Inc.)	Do.
Astmacheo IV.....	WDF	300, 600	PG-X	Astmacheo 4 (Inc.)	Do.
Astra.....	KDSE	300, 600	.....	J. Bullock	
Astral.....	KIQ	300, 450, 600	PG-X	Standard Transportation Co.	R. C. of A.
Astrea.....	KDOP	300, 600	PG-X	Davidson Chemical Co.	Do.
Asuncion.....	WTX	300, 450, 600	PG-X	G. W. McNear (Inc.)	Do.
Atenas.....	KDK	300, 600	PG-N	United Fruit Co.	T. R. T. Co.
Atlanta City.....	KDSW	300, 600	PG-X	U. S. Steel Products Co.	S. O. R. S.
Atlanta of Texas.....	KDCN	300, 600	PG-X	U. S. S. B.	R. C. of A.
Atlantic Sun.....	KUMS	300, 600	PG-X	Sun Oil Co.	Do.
Atlas.....	WTT	300, 450, 600	PG-X	Standard Oil Co. of Calif.	Do.
Auburn.....	WDDE	300, 450, 600	PG-N	U. S. S. B.	S. O. R. S.
Auditor.....	KOFF	300, 600	PG-X	.....	Owner of vessel.
Ausable.....	WWP	300, 600	PG-X	American Transatlantic Co.	Do.
Avalon.....	KIZL	300, 600	PG-X	W. H. Wood	R. C. of A.
Avalon.....	WFH	300, 600	PG-X	Wilmington Trnsp. Co.	Do.
Avondale.....	KKAU	300, 600	PG-X	U. S. S. B.	Do.
Baboonie.....	KITC	300, 600	PG-N	.....	Do.
Babinda.....	KODP	300, 600	PG-X	Pacific Motorship Co.	Do.
Baccarat.....	KUSX	300, 600	PG-X	Independent S. S. Co.	Do.
Bacol.....	KJU	300, 450, 600	PG-X	Gillespie S. S. Corp.	
Baddcock.....	KUJD	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Bakersfield.....	KIZC	300, 600	PG-X	.....	
Balcatta.....	KOLM	300, 600	PG-X	Pacific Motorship Co.	
Balbutte.....	KISM	300, 600	PG-X	U. S. S. B.	
Baldhill.....	KOBV	300, 600	PG-X	.....	
Baldridge.....	KEQG	300, 600	PG-X	.....	
Baldrock.....	KEQJ	300, 600	PG-X	.....	
Ballcamp.....	KENV	300, 450, 600	PG-X	.....	
Ballenas.....	KEMZ	300, 600	PG-X	.....	
Ballew.....	KENQ	300, 600	PG-X	.....	
Balsam.....	KIJC	300, 600	PG-N	.....	
Banaran.....	KENZ	300, 600	PG-N	.....	
Bannack.....	KIZQ	300, 600	PG-N	.....	
Bantu.....	KLM	300, 600	PG-X	U. S. Steel Products Co.	Do.
Bar Harbor.....	KEFD	300, 600	PG-X	U. S. S. B.	R. C. of A.
Barkhamstead.....	WLLOU	300, 600	PG-X	.....	I. W. T. Co.
Barlow.....	WLAE	300, 600	PG-X	.....	S. O. R. S.
Barrallton.....	KIDT	300, 600	PG-X	.....	Do.
Barranca.....	KIFR	300, 600	PG-X	.....	I. W. T. Co.
Barrenfark.....	KIJD	300, 600	PG-X	.....	S. O. R. S.
Barryton.....	KIJF	300, 600	PG-X	.....	R. C. of A.
Barstow.....	KIJR	300, 600	PG-X	.....	I. W. T. Co.
Barthney.....	KIZD	300, 600	PG-X	.....	S. O. R. S.
Bartolome.....	KOBS	300, 450, 600	PG-X	.....	R. C. of A.
Bartholomew.....	KOMF	300, 600	PG-X	.....	I. W. T. Co.
Barugo.....	KEQC	300, 600	PG-X	.....	C. & W.
Barwick.....	KOBR	300, 600	PG-X	.....	R. C. of A.
Basco.....	WVEI	300, 600	PG-N	.....	Do.
Bascobel.....	KOFS	300, 600	PG-X	France & Canada S. S. Co.	R. C. of A.
Basford.....	KOFR	300, 600	PG-X	France & Canada Oil Trnsp. Co.	Do.
Batanes.....	KEKX	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Bathalam.....	KIQT	300, 600	PG-X	.....	
Bathgate.....	KIQS	300, 600	PG-X	.....	
Batino.....	KERC	300, 600	PG-X	.....	
Baton Rouge.....	KSG	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Bavington.....	KOPC	300, 450, 600	PG-X	U. S. S. B.	Do.
Bayamo.....	WDEU	300, 600	PG-X	New York & Cuba M. S. S. Co.	I. W. T. Co.
Bay Head.....	KINT	300, 450, 600	PG-X	U. S. S. B.	Do.
Bayou Chico.....	KDGK	300, 600	PG-X	.....	
Betty R.....	KDTF	200, 300, 600	PR-X	Edward C. Crossett	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Bayport.....	KUJC	300, 600	PG-X	U. S. S. B.	
Bayside.....	KDDX	300, 600	PG-X	do.....	S. O. R. S.
Bayspring.....	KDDW	300, 600	PG-X	do.....	Do.
Baytown.....	KDEM	300, 600	PG-X	Humble Oil & Refining Co.	R. C. of A.
Bayway.....	KSR	300, 600	PG-X	Standard Oil Co. of N. J.	Do.
Bearport.....	KUBK	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Beatrice.....	KLJ	300, 600	PG-X	A. H. Bull S. S. Co.	I. W. T. Co.
Beaumont.....	WXUA	300, 600	PG-X	U. S. S. B.....	
Belair.....	WTOI	300, 600	PG-X	do.....	R. C. of A.
Belfast.....	KRD	300, 600	PG-X	Eastern S. S. Lines.	S. O. R. S.
Belfort.....	KIQB	300, 600	PG-X	U. S. S. B.	Owner of vessel.
Bella.....	WAX	300, 600	PG-X	Antonio Carozza.....	R. C. of A.
Bellbuckle.....	KITK	300, 600	PG-X	do.....	I. W. T. Co.
Bellemina.....	KODS	300, 600	PG-N	do.....	S. O. R. S.
Bellepline.....	KOKF	300, 450, 600	PG-N	do.....	R. C. of A.
Bellerose.....	KOKD	300, 450, 600	PG-N	do.....	I. W. T. Co.
Bellflower.....	KOPQ	300, 600	PG-N	do.....	R. C. of A.
Bellhaven.....	KOFC	300, 600	PG-N	do.....	I. W. T. Co.
Bellingham.....	WCIA	300, 600	PG-X	do.....	R. C. of A.
Bellota.....	KVEA	300, 600	PG-X	do.....	I. W. T. Co.
Belvidere.....	KEQK	300, 600	PG-N	do.....	S. O. R. S.
Benjamin Brewster	KPS	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Benj. F. Packard.	WLA	300, 450, 525, 600	PG-X	Booth Fisheries Co.....	S. O. R. S.
Benoni.....	KERR	300, 600	PG-N	U. S. S. B.	I. W. T. Co.
Benowa.....	KOTZ	300, 600	PG-X	Pacific Motorship Co.	R. C. of A.
Bensalem.....	KOFT	300, 600	PG-X	U. S. S. B.	Owner of vessel.
Berlin.....	WRB	300, 600	PG-X	Alaska-Portland Pack. Assn.	R. C. of A.
Bessemeyer.....	KIGT	300, 600	PG-X	U. S. S. B.	Do.
Bessemer City.....	KDOF	300, 450, 600	PG-X	U. S. Steel Products Co.	I. W. T. Co.
Bethelridge.....	KERT	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Bethlehem Bridge.	KIJV	300, 600	PG-X	do.....	Owner of vessel.
Bethlehem Ship-building Corp. <sup>1</sup>	KUFP	1800	PG-X	Bethlehem Shipbldg. Corp.....	
Bethnor.....	KOKT	300, 600	PG-X	U. S. S. B.	R. C. of A.
Betsy Bell.....	KITM	300, 600	PG-N	do.....	S. O. R. S.
Betterton.....	KUBG	300, 600	PG-X	do.....	Do.
Bibbco.....	KDHJ	300, 450, 600	PG-X	do.....	Do.
Bidwell.....	KESQ	300, 450, 600, 1800	PG-X	do.....	Do.
Biloxi.....	KPAI	300, 600	PG-X	do.....	
Biran.....	KKOA	300, 600	PG-X	do.....	I. W. T. Co.
Birchleaf.....	KEMD	300, 600	PG-X	do.....	R. C. of A.
Bird City.....	KOBP	300, 600	PG-X	do.....	I. W. T. Co.
Birmingham City.....	KUTT	300, 450, 600	PG-X	U. S. Steel Products Co.	R. C. of A.
Black Arrow.....	WLN	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Blair.....	KIGR	300, 600	PG-X	do.....	I. W. T. Co.
Blue Hen State.....	KDTG	300, 600	PG-X	U. S. S. B.	
Blue Point.....	KDLU	300, 600	PG-X	Atlantic Fisheries Co.	Do.
Blue Triangle.....	KUGS	300, 600	PG-X	U. S. S. B.	
Bluffton.....	KEKZ	300, 600	PG-X	do.....	
Bohemian Club.....	KDTB	300, 600	PG-X	do.....	
Bolikow.....	KEQD	300, 600	PG-X	National Oil Transport Co.	
Bonnie Brook.....	KDGX	300, 600	PG-X	do.....	
Boobyalla.....	KUGC	300, 600	PG-X	Pacific Motorship Co.	I. R. T. Co.
Boston.....	KXA	300, 550, 600	PG-N	New England S. S. Co.	
Boston.....	KXS	300, 476, 600	PG-X	U. S. S. B.	R. C. of A.
Boston Bridge.....	KINS	300, 450, 600	PG-X	do.....	S. O. R. S.
Bound Brook.....	KIFQ	300, 600	PG-X	do.....	I. W. T. Co.
Brabant.....	KUQ	300, 450, 600	PG-X	Texas Co.	R. C. of A.
Braddock.....	KETG	300, 600	PG-N	U. S. S. B.	Do.
Bradford.....	KNG	300, 450, 600	PG-X	Standard oil Co. of N. J.	I. R. T. Co.
Brammell Point.....	KRO	300, 450, 600	PG-X	Vacuum Oil Co.	Do.
Brandywine.....	WGII	300, 600	PG-X	U. S. S. B.	Do.
Brasher.....	KIJX	300, 600	PG-X	do.....	R. C. of A.
Brave Coeur.....	KOGN	300, 476, 600	PG-X	do.....	Do.
Bremerton.....	WSZ	300, 600	PG-X	do.....	Do.
Brevard.....	KEPJ	300, 600	PG-X	do.....	Do.
Briarcliffe.....	KEPK	300, 600	PG-X	do.....	Do.
Brilliant.....	KTI	300, 450, 600	PG-X	Standard Oil Co., of N. Y.	Do.
Brindilla.....	KTZ	300, 450, 600	PG-X	Standard Oil Co., of N. J.	Do.
Bristol.....	KEGC	300, 450, 600	PG-X	Coastwise Trade Co.	Do.
Broad Arrow.....	KSY	300, 450, 600	PG-X	Standard Transportation Co.	Do.
Brockton.....	KNH	300, 600	PG-N	Colonial Navigation Co.	I. R. T. Co.
Brookdale.....	WNUO	300, 600	PG-X	do.....	S. O. R. S.
Brookline.....	KURT	300, 600	PG-X	do.....	Do.
Broxton.....	KDAL	300, 600	PG-X	do.....	
Brush.....	KDHV	300, 450, 600	PG-X	do.....	S. O. R. S.

<sup>1</sup> Portable set placed on board ships during trial trip.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Brynhilda.....	KIO	300, 450, 600	PG-X	Cosmopolitan Shipping Co.	R. C. of A.
Buccaneer.....	KFO	300, 600	PG-X	Freeport & Tampico Fuel Oil Transportation Co.	Do.
Buckeye State.....	KDRW	300, 600, 450, 1800	PG-N	U. S. S. B.	S. O. R. S.
Buckhannon.....	KELG	300, 600	PG-X	Gulf & Southern S. S. Co.	I. W. T. Co.
Buffalo Bridge.....	KIF	300, 600	PG-X	U. S. S. B.	R. C. of A.
Burnwell.....	KIMS	300, 600	PG-X	do	I. W. T. Co.
Buttercup.....	KIJT	300, 600	PG-X	do	S. O. R. S.
Butterfield.....	KIJS	300, 600	PG-X	do	Do.
Byfield.....	KIBZ	300, 600	PG-X	do	R. C. of A.
Bylavl.....	KSOU	300, 450, 600	PG-X	Pocahontas Fuel Co.	I. W. T. Co.
Cabegon.....	KEJQ	300, 600	PG-N	U. S. S. B.	R. C. of A.
Cabrille.....	KENS	300, 450, 600	PG-X	do	I. W. T. Co.
Cabrillo.....	WBV	300, 600	PG-X	Wilmington Transportation Co.	R. C. of A.
C. A. Canfield.....	WIH	300, 450, 600	PG-X	Pan-American Petroleum & Transport Co.	Do.
Cacique.....	WBE	300, 450, 600	PG-X	Grace S. S. Co.	Do.
Cadaretta.....	WLOO	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Caddo.....	KSK	300, 450, 600	PG-X	Standard Oil Co., of N. J.	R. C. of A.
Caddopeak.....	WPUE	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Cairo.....	KDQW	300, 600	PG-X	Marietta Manufacturing Co.	T. R. T. Co.
Calamares.....	KLC	300, 600	PG-N	United Fruit Co.	I. W. T. Co.
Calaveras.....	KXIE	300, 600	PG-X	U. S. S. B.	R. C. of A.
Caldas.....	KOQV	300, 600	PG-X	Caribbean S. S. Co.	I. W. T. Co.
Calocorock.....	KXII	300, 600	PG-X	U. S. S. B.	R. C. of A.
Calispell.....	KXIO	300, 600	PG-X	do	I. W. T. Co.
Callabasas.....	WPUI	300, 450, 600	PG-X	Callabasas S. S. Corp.	I. W. T. Co.
Callao.....	KEQS	300, 600	PG-X	U. S. S. B.	Owner of vessel.
Callao.....	WHF	300, 600	PG-X	Bark Callao Corp.	I. W. T. Co.
Calno.....	KINV	300, 600	PG-X	U. S. S. B.	do
Caloria.....	KSP	300, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Calvert.....	WTUI	300, 600	PG-X	U. S. S. B.	Do.
Calvin Austin.....	KRN	300, 450, 600	PG-X	Eastern S. S. Lines.	R. C. of A.
Camaguey.....	KWI	300, 450, 600	PG-N	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Cambrai.....	KDJN	300, 600	PG-N	U. S. S. B.	R. C. of A.
Cambridge.....	KGR	300, 550, 600	PG-X	N. Y. & New Orleans S. S. Co.	I. R. T. Co.
Cambridge.....	KIRR	300, 600	PG-X	U. S. S. B.	R. C. of A.
Camden.....	KDKL	300, 600	PG-X	United Fruit Co.	T. R. T. Co.
Camden.....	KRC	300, 600	PG-N	Eastern S. S. Lines.	R. C. of A.
Cananova.....	KDBN	300, 600	PG-X	Cananova S. S. Corp.	I. W. T. Co.
Canco.....	KUTP	300, 600	P-X	American Can Co.	Owner of vessel.
Canibas.....	WQEY	300, 450, 600	PG-X	U. S. S. B.	R. C. of A.
Canoga.....	WKZ	300, 600	PG-X	do	S. O. R. S.
Cansumset.....	KIQD	300, 600	PG-X	do	Do.
Cantigny.....	KDFO	300, 600	PG-X	do	I. W. T. Co.
Cape Henry.....	KMIE	300, 600	PG-X	do	Do.
Cape May.....	WDOI	300, 600	PG-N	do	R. C. of A.
Cape Romain.....	KREA	300, 600	PG-X	do	S. O. R. S.
Capillo.....	KUPN	300, 600	PG-X	do	Do.
Capines.....	KSAY	300, 600	PG-N	do	R. C. of A.
Capital of Nebr.....	KUSF	300, 450, 600	PG-X	do	R. C. of A.
Capt. A. F. Lucas.....	WTV	300, 450, 600	PG-X	Standard Oil Co. of Calif.	Do.
Capulin.....	KUZR	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Caracas.....	KDB	300, 450, 600	PG-N	Atlantic & Caribbean Steam Navigation Co.	R. C. of A.
Cardonia.....	KUVV	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Carenco.....	KDDM	300, 450, 600	PG-X	do	R. C. of A.
Carib.....	KJII	300, 600	PG-X	Atl. G. & W. Ins. S. S. Lines.	S. O. R. S.
Carib.....	KUZX	300, 425, 600	PG-X	Carib Trading Co.	Owner of vessel.
Caribbean.....	KGUE	300, 600	PG-X	Panama R. R. Co.	R. C. of A.
Carl D. Bradley.....	WGN	300, 600	PG-X	Bradley Transportation Co.	S. O. R. S.
Carlton.....	KDDK	300, 450, 600	PG-X	U. S. S. B.	R. C. of A.
Carolina.....	WFE	300, 600	PG-X	Goodrich Transit Co.	Do.
Carolinian.....	KIF	300, 600	PG-X	Garland S. S. Corp.	I. W. T. Co.
Carolyn.....	KZG	300, 600	PG-X	A. H. Bull S. S. Co.	Do.
Carpilaka.....	KDES	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Carrabulle.....	KDER	300, 600	PG-X	do	Do.
Carillo.....	KDE	300, 600	PG-N	United Fruit Co.	T. R. T. Co.
Cartago.....	KDD	300, 600	PG-N	do	Do.
Cascade.....	WPUO	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Casco.....	WCP	300, 600	PG-X	do	Do.
Casey.....	KOQJ	300, 600	PG-X	Edward L. Doheny.	R. C. of A.
Casiana.....	KYE	300, 450, 600	PG-X	Coos Bay Lumber Co.	Owner of vessel.
C. A. Smith.....	WEL	300, 600	PG-X	Vacuum Oil Co.	S. O. R. S.
C. A. Snider.....	KRR	300, 450, 600	PG-X		

**COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—**  
 Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Casper.....	KIRX	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Cassimir.....	KDDZ	300, 600	PG-X	.....do.....	S. O. R. S.
Castana.....	KDFF	300, 600	PG-X	.....do.....	
Castle Point.....	KESD	300, 600	PG-X	.....do.....	I. W. T. Co.
Castle Town.....	KOF	300, 600	PG-X	.....do.....	R. C. of A.
Castle Wood.....	KEKQ	300, 600	PG-X	.....do.....	
Catahoula.....	KDFG	300, 600	PG-X	.....do.....	
Catherine.....	KTOI	300, 600	PG-X	.....do.....	
Catherine D.....	KMAI	300, 450, 550, 600	PG-N	Pacific-American Fisheries.....	S. O. R. S.
Cathlamet.....	KOLP	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Cathwood.....	KURC	300, 450, 600	PG-X	.....do.....	
Cauto.....	KWF	300, 450, 600	PG-X	N. Y. & Cuba Mail S. S. Co.....	Do.
Cayo Mambi.....	KUZZ	300, 600	PG-X	Cayo Mambi S. S. Corp.....	I. W. T. Co.
Cayuga.....	KDJQ	300, 600	PG-X	Independent S. S. Co.....	
Cebu.....	KDOC	300, 600	PG-X	Compania Maritima.....	
Cecil County.....	KERZ	300, 450, 600	PG-X	U. S. S. B.....	
Cedarhurst.....	KDIQ	300, 600	PG-X	.....do.....	R. C. of A.
Cedar Spring.....	WTEE	300, 450, 600	PG-X	.....do.....	Do.
Celilo.....	WMF	300, 600	PG-N	Celilo S. S. Co.....	Do.
Centaurus.....	KOPZ	300, 600	PG-X	Nafra Co.....	I. W. T. Co.
Centennial State.....	KDRL	300, 600	PG-N	U. S. S. B.....	
Central American.....	WKOU	300, 600	PG-X	Texas Co.....	
Ceralvo.....	WTEI	300, 450, 600	PG-X	U. S. S. B.....	S. O. R. S.
Cerosco.....	WTEO	300, 600	PG-X	.....do.....	R. C. of A.
Cerro-Azul.....	KDQY	300, 600	PG-X	Pan-American Petroleum & Transport Co.....	Do.
Cerro-Ebano.....	KDQS	300, 600	PG-N	.....do.....	
Cerro Gardo.....	KEFK	300, 450, 600	PG-X	U. S. S. B.....	S. O. R. S.
Cethana.....	KORG	300, 440, 520, 600	PG-X	J. E. Chilberg.....	Do.
Challamba.....	KORJ	300, 600	PG-X	Anglo-California Trust Co.....	
Challenger.....	WNII	300, 600	PG-X	U. S. S. B.....	Owner of vessel.
Chalmette.....	KKC	300, 600	PG-N	Southern Pacific S. S. Co.....	S. O. R. S.
Chamberino.....	KEFL	300, 600	PG-X	U. S. S. B.....	
Chamblee.....	KEGG	300, 600	PG-X	.....do.....	I. W. T. Co.
Chantier.....	KEGK	300, 600	PG-X	.....do.....	R. C. of A.
Chapare.....	KEGJ	300, 600	PG-X	.....do.....	I. W. T. Co.
Chappaqua.....	KURF	300, 450, 600	PG-X	.....do.....	Do.
Chappell.....	KEVS	300, 600	PG-X	.....do.....	R. C. of A.
Charles Braley.....	KVP	300, 450, 600	PG-X	Cuba Distilling Co.....	I. W. T. Co.
Charles E. Harwood.....	WID	300, 450, 600	PG-X	Pan-American Petroleum & Transport Co.....	Do.
Charles H. Cramp.....	KDHH	300, 600, 1800	PG-X	U. S. S. B.....	
Charles L. Hutchinson.....	WMIU	300, 600	PG-X	American Interlake Co.....	Marconi Co. of Canada for R. C. of A.
Charles M. Everest.....	WPOU	300, 600	PG-X	Vacuum Oil Co.....	R. C. of A.
Charles O. Jenkins.....	WFT	300, 600	PG-X	Jenkins S. S. Co.....	Do.
Charles Pratt.....	KSQ	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	Do.
Charlie Watson.....	KDLA	300, 450, 600	PG-X	Standard Oil Co. of Calif.....	Do.
Charlot.....	WMUI	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Charlton Hall.....	KLU	300, 600	PG-X	U. S. Steel Products Co.....	R. C. of A.
Chateau Thierry.....	KDKE	300, 600	PG-N	U. S. S. B.....	
Chattanooga.....	KIDN	300, 600	PG-X	.....do.....	Do.
Chautmont.....	KDLI	300, 600	PG-N	.....do.....	Do.
Chautauqua.....	KIFK	300, 600	PG-X	.....do.....	Do.
Chebaulip.....	KJAA	300, 600	PG-X	.....do.....	Do.
Chepadoa.....	KOFL	300, 600	PG-X	.....do.....	Do.
Cherokee.....	KVK	300, 450, 600	PG-N	Clyde S. S. Co.....	Do.
Chester Kiwanis.....	KDBP	300, 450, 600	PG-X	U. S. S. B.....	Do.
Chester Sun.....	WAS	300, 600	PG-X	Sun Co.....	Do.
Chester Valley.....	KOST	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Chester W. Chapin.....	KXQ	300, 550, 600	PG-N	New England S. S. Co.....	I. R. T. Co.
Chestnut Hill.....	KVGC	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Chetopa.....	KDJII	300, 600	PG-X	.....do.....	Do.
Chicago.....	WAC	300, 600	PG-X	Booth Fisheries Co.....	I. W. T. Co.
Chicago Bridge.....	KECG	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Chickamauga.....	KULC	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Chickasaw.....	KOJR	300, 600	PG-X	.....do.....	R. C. of A.
Chickasaw City.....	KUNZ	300, 600	PG-N	U. S. Steel Products Co.....	Do.
Chicomico.....	KOLS	300, 600	PG-X	U. S. S. B.....	Do.
China.....	WWA	300, 450, 600	PG-N	China Mail S. S. Co.....	Do.
China Arrow.....	KDGW	300, 600	PG-X	Standard Transportation Co.....	Do.
Chinampa.....	KSC	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	Do.
Chinchina.....	KJZ	300, 450, 600	PG-N	Green Star S. S. Corp.....	Do.
Chipchung.....	WBIA	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Chippewa.....	KDJS	300, 600	PG-X	Independent S. S. Co.....	Owner of vessel.

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## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Christabel.....	KUTN	300,600	PG-X	Savannah Bar Pilots.....	R. C. of A.
Christopher Columbus.....	WFJ	300,600	PG-X	Goodrich Transit Co.....	Do.
Cigarette.....	KDQQ	300,600	PG-X	Barron G. Collier.....	S. O. R. S.
Circeus.....	KOPK	300,600	PG-X	Green Star S. S. Corp.....	R. C. of A.
City of Alameda.....	KUCQ	300,600	PG-X	U. S. S. B.....	S. O. R. S.
City of Alma.....	KUBP	300,600	PG-X	.....do.....	Do.
City of Alpena II.....	WEH	300,600	PG-X	Det. & Cleve. Navigation Co.	R. C. of A.
City of Alton.....	KONZ	300,600	PG-X	U. S. S. B.....	S. O. R. S.
City of Atlanta.....	KFB	300,450,600	PG-N	Ocean S. S. Co.....	R. C. of A.
City of Augusta.....	KFJ	300,450,600	PG-N	.....do.....	Do.
City of Bangor.....	KRH	300,600	PG-X	Eastern S. S. Lines.....	Do.
City of Benton Harbor.....	WDV	300,600	PG-X	Graham & Morton Trans. Co.	Do.
City of Berkeley.....	KOZQ	300,600	PG-X	U. S. S. B.....	Do.
City of Brockton.....	XKO	300,600	PG-X	New England S. S. Co.....	I. R. T. Co.
City of Brunswick.....	KDNQ	300,600	PG-X	U. S. S. B.....	R. C. of A.
City of Buffalo.....	WFQ	300,600	PG-X	Cleve. and Buffalo Trans. Co.	Do.
City of Cleveland III.....	WEA	300,450,600	PG-N	Detroit & Cleveland Navigation Co.	Do.
City of Columbus.....	KFA	300,450,600	PG-N	Ocean S. S. Co.....	Do.
City of Dalhart.....	KDNP	300,600	PG-X	U. S. S. B.....	Do.
City of Detroit II.....	WEC	300,600	PG-N	Detroit & Cleveland Nav. Co.	Do.
City of Detroit III.....	WEF	300,450,600	PG-N	.....do.....	Do.
City of Elwood.....	KDMV	300,600	PG-X	U. S. S. B.....	Do.
City of Erie.....	WFP	300,600	PG-X	Cleveland & Buffalo Trans. Co.	Do.
City of Eureka.....	KEFT	300,600	PG-X	U. S. S. B.....	I. W. T. Co.
City of Everett.....	KTQ	300,600	PG-X	Standard Oil Co. of N. Y.....	R. C. of A.
City of Fairbury.....	KISR	300,450,600	PG-X	U. S. S. B.....	Do.
City of Flint.....	KUCV	300,450,600	PG-X	.....do.....	S. O. R. S.
City of Fort Worth.....	KDAW	300,600	PG-X	.....do.....	Do.
City of Freeport.....	KESV	300,600	PG-X	.....do.....	R. C. of A.
City of Grand Rapids.....	WDS	300,600	PG-X	Graham & Morton Transportation Co.	
City of Joliet.....	KUJR	300,600	PG-X	U. S. S. B.....	I. W. T. Co.
City of Lordsburg.....	KUTK	300,600	PG-X	.....do.....	R. C. of A.
City of Lowell.....	XKB	300,550,600	PG-N	New England S. S. Co.....	I. R. T. Co.
City of Mackinac II.....	WEB	300,600	PG-X	Detroit & Cleveland Nav. Co.	R. C. of A.
City of Miami.....	WDI	300,600	PG-N	Havana-American S. S. Corp.	S. O. R. S.
City of Montgomery.....	KFY	300,450,600	PG-N	Ocean S. S. Co.....	R. C. of A.
City of Omaha.....	KOZB	300,600	PG-X	U. S. S. B.....	I. W. T. Co.
City of Para.....	WWF	300,600	PG-N	Pacific Mail S. S. Co.....	F. T. Co.
City of Puebla.....	WGQ	300,600	PG-N	City of Puebla Corp.....	
City of Rayville.....	KDGS	300,600	PG-X	U. S. S. B.....	R. C. of A.
City of Reno.....	KUSK	300,450,600	PG-X	.....do.....	S. O. R. S.
City of Rockland.....	KRI	300,600	PG-X	Eastern S. S. Lines.....	R. C. of A.
City of Rome.....	KQZ	300,450,600	PG-N	Ocean S. S. Co.....	Do.
City of Savannah.....	KFK	300,450,600	PG-N	.....do.....	Do.
City of Seattle.....	WGA	300,600	PG-N	Pacific S. S. Co.....	Do.
City of Sherman.....	KUCS	300,600	PG-X	U. S. S. B.....	S. O. R. S.
City of Spokane.....	KILL	300,600	PG-X	.....do.....	Do.
City of St. Ignace.....	WEG	300,600	PG-X	Detroit & Cleveland Nav. Co.	R. C. of A.
City of St. Joseph.....	KOSM	300,600	PG-X	U. S. S. B.....	I. W. T. Co.
City of St. Louis.....	KFX	300,450,600	PG-N	Ocean S. S. Co.....	R. C. of A.
City of Sydney.....	KKEI	300,600	PG-X	L. A. Pederson.....	
City of Taunton.....	KXL	300,550,600	PG-N	New England S. S. Co.....	I. R. T. Co.
City of Vernon.....	KUNS	300,450,600	PG-X	U. S. S. B.....	R. C. of A.
City of Weatherford.....	KUVC	300,450,600	PG-X	.....do.....	Do.
Clairton.....	KIKR	300,600	PG-N	.....do.....	Do.
Clare.....	KNE	300,600	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Claremont.....	KUBD	300,600	PG-X	W. H. Wood.....	Owner of vessel.
Clark Mills.....	KOCQ	300,600	PG-X	U. S. S. B.....	I. W. T. Co.
Clarksburg.....	KOVP	300,600	PG-X	Coastwise Transportation Co.	R. C. of A.
Clauseus.....	KOQB	300,600	PG-X	Green Star S. S. Corp.....	Do.
Clavarack.....	KOLL	300,600	PG-X	U. S. S. B.....	Do.
Clearwater.....	KUGD	300,600	PG-X	.....do.....	Do.
Clemence C. Morse.....	KUGG	300,600	PG-X	.....do.....	Do.
Clemens A. Reiss.....	WNH	300,600	PG-X	Reiss S. S. Co.....	S. O. R. S.
Clement Smith.....	KDGO	300,600	PG-X	Calvert Navigation Co.	R. C. of A.
Cletus Schneider.....	KMEO	300,600	PG-X	Paisley S. S. Co.....	Do.
Cliffwood.....	KORX	300,600	PG-X	U. S. S. B.....	Owner of vessel.
Clincho.....	KENX	300,600	PG-X	.....do.....	S. O. R. S.
Clontarf.....	KUDP	300,600	PG-X	.....do.....	R. C. of A.
Coahoma County.....	KOMP	300,600	PG-X	.....do.....	S. O. R. S.
Coalinga.....	WOT	300,600,1800	PG-X	Union S. S. Co.....	Do.
Coamo.....	KGA	300,450,600	PG-N	New York & P. R. S. S. Co.	F. T. Co.
Coastwise.....	KUZ	300,600	PG-X	Neptune Line.....	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Coaxet.....	WPUU	300, 425, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Cochin.....	KELR	300, 600	PG-X	do.....	S. O. R. S.
Cockaponset.....	KOFN	300, 600	PG-X	do.....	Do.
Cody.....	KDEX	300, 600	PG-X	do.....	R. C. of A.
Coelleda.....	KOVV	300, 600	PG-X	do.....	S. O. R. S.
Coeur D'Alene.....	KOVT	300, 600	PG-X	do.....	Do.
Cohasset.....	WJUI	300, 600	PG-X	do.....	I. W. T. Co.
Cokato.....	WMUE	300, 600	PG-X	do.....	Do.
Cokesit.....	WQUA	300, 600	PG-X	do.....	S. O. R. S.
Coldbrook.....	KOQK	300, 600	PG-X	do.....	R. C. of A.
Cold Harbor.....	KUBB	300, 600	PG-X	do.....	S. O. R. S.
Cold Spring.....	KIQK	300, 600	PG-N	do.....	R. C. of A.
Coldwater.....	KUCX	300, 600	PG-X	do.....	S. O. R. S.
Col. E. L. Drake.....	WTS	300, 450, 600	PG-X	Standard Oil Co. of Calif.	R. C. of A.
Colin H. Livingstone.....	KDIN	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Collamer.....	KOZZ	300, 600	PG-N	do.....	R. C. of A.
Collingsworth.....	KUKX	300, 450, 600	PG-X	do.....	S. O. R. S.
Colombia.....	WBH	300, 600, 1800	PG-N	Pacific Mail S. S. Co.....	F. T. Co.
Colon.....	KMX	300, 450, 600	PG-N	Panama R. R. Co.....	Owner of vessel.
Colorado Springs.....	KILK	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Colthrops.....	KUMR	300, 450, 600	PG-X	do.....	Do.
Columbia.....	WHC	300, 430, 600	PG-X	New Orleans & South American S. S. Co.....	Owner of vessel.
Colusa.....	WIN	300, 600	PG-N	Grace S. S. Co.....	I. W. T. Co.
Comal.....	KEM	300, 450, 600	PG-N	Mallory S. S. Co.....	Do.
Comanche.....	KVC	300, 600	PG-N	Clyde S. S. Co.....	S. O. R. S.
Comerant.....	KUMQ	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Comet.....	KTJ	300, 450, 600	PG-X	Standard Oil Co. of N. Y.....	I. W. T. Co.
Commack.....	KULT	300, 600	PG-X	U. S. S. B.....	Merritt & Chapman Derrick & Wrecking Co.
Commissioner.....	KOGZ	300, 600	PG-X	do.....	I. R. T. Co.
Commonwealth.....	KXC	300, 550, 600	PG-X	New England S. S. Co.....	R. C. of A.
Communipaw.....	KOE	300, 600	PG-X	Standard Oil Co. of N. J.....	Owner of vessel.
Comus.....	KKD	300, 600	PG-N	Southern Pacific Co.....	I. W. T. Co.
Concho.....	KEC	300, 450, 600	PG-N	Mallory S. S. Co.....	I. R. T. Co.
Concord.....	KNC	300, 550, 600	PG-N	Colonial Navigation Co.....	R. C. of A.
Conehatta.....	KUQQ	300, 450, 600	PG-X	U. S. S. B.....	Do.
Conejos.....	KUKT	300, 450, 600	PG-X	do.....	Do.
Connaut.....	WCU	300, 600	PG-X	Gulf Refining Co.....	S. O. R. S.
Connerville.....	WKOO	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Conness Peak.....	KUPL	300, 450, 600	PG-X	do.....	Do.
Connoton.....	WVAO	300, 600	PG-X	do.....	R. C. of A.
Consort.....	KDOI	300, 600	PG-X	do.....	Do.
Continental Bridge.....	KOOP	300, 600	PG-X	do.....	R. C. of A.
Contoocook.....	WVAU	300, 600	PG-X	do.....	Do.
Cook.....	KOFX	300, 600	PG-X	do.....	S. O. R. S.
Coolcha.....	KOPS	300, 440, 525, 600	PG-X	Anglo-California Trust Co.....	I. W. T. Co.
Cooza.....	WLF	300, 450, 600	PG-X	U. S. S. B.....	S. O. R. S.
Copalgrove.....	KEFJ	300, 600	PG-X	do.....	T. R. T. Co.
Coperas.....	WTEU	300, 600	PG-X	do.....	R. C. of A.
Coppename.....	KDF	300, 600	PG-N	United Fruit Co.....	I. W. T. Co.
Coquinas.....	WVAA	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Coquit.....	KOZF	300, 600	PG-X	do.....	I. W. T. Co.
Cora F. Cressy.....	KSZ	300, 450, 600	PG-X	France & Canada S. S. Co.....	R. C. of A.
Corapeak.....	WVAE	300, 600	PG-X	U. S. S. B.....	Do.
Corcoran.....	WVAI	300, 600	PG-X	do.....	S. O. R. S.
Cordova.....	WAR	300, 600	PG-X	Alaska S. S. Co.....	Do.
Cornelia.....	KZD	300, 600	N & X	Bull-Insular S. S. Co.....	I. W. T. Co.
Corning.....	KIH	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Cornucopia.....	WNIU	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Coronado.....	WFZ	300, 450, 600	PG-X	do.....	R. C. of A.
Corrales.....	WPIE	300, 600	PG-X	do.....	S. O. R. S.
Corsair.....	KYC	300, 450, 600	PG-X	J. P. Morgan.....	Owner of vessel.
Corsicana.....	WPII	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Corson.....	KIQV	300, 600	PG-X	do.....	Do.
Corvus.....	KOPL	300, 450, 600	PG-X	Green Star S. S. Corp.....	S. O. R. S.
Coskata.....	KOMZ	300, 450, 600	PG-X	U. S. S. B.....	Owner of vessel.
Costa Rica.....	WQI	300, 600	PG-X	L. A. Pederson.....	S. O. R. S.
Costigan.....	KINF	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Costilla.....	WMEA	300, 600	PG-X	do.....	Do.
Cotati.....	KIQF	300, 600	PG-X	do.....	S. O. R. S.
Cote Blanche.....	WMEE	300, 600	PG-X	do.....	R. C. of A.
Cotopaxi.....	WMEI	300, 600	PG-X	Clinchfield Navigation Co.....	Digitized by Google

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Cottonplant.....	WMEO	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Cottonwood.....	WMEU	300, 600	PG-X	do.....	Do.
Coulee.....	WTOU	300, 600	PG-X	do.....	R. C. of A.
Couparie.....	WVOE	300, 600	PG-X	do.....	L. W. T. Co.
Courageous.....	WVUA	300, 600	PG-X	do.....	R. C. of A.
Courtois.....	WVOI	300, 600	PG-X	do.....	I. W. T. Co.
Coushatta.....	WVOO	300, 600	PG-X	do.....	Do.
Coutolene.....	WVOU	300, 600	PG-X	do.....	R. C. of A.
Covalt.....	KEMM	300, 600	PG-X	do.....	Do.
Covedale.....	KEMN	300, 450, 600	PG-X	do.....	S. O. R. S.
Covenia.....	KEMP	300, 450, 600	PG-X	do.....	Do.
Coverun.....	KENM	300, 600	PG-X	do.....	Do.
Cowan.....	KENN	300, 600	PG-X	do.....	Do.
Cowanshannock.....	WMAE	300, 450, 600	PG-X	do.....	S. O. R. S.
Cowardin.....	KESL	300, 450, 600	PG-X	Nacirema S. S. Corp.	Do.
Cowboy.....	WMAI	300, 450, 600	PG-X	U. S. S. B.....	L. W. T. Co.
Cowee.....	WMAO	300, 450, 600	PG-X	do.....	R. C. of A.
Cowiche.....	WXOA	300, 600	PG-X	do.....	Do.
Coyote.....	KXUU	300, 600	PG-X	American S. S. Corp.	I. W. T. Co.
Crabtree.....	WXOE	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Craftsman.....	KIBR	300, 600	PG-X	do.....	Do.
Craigownie.....	WXOI	300, 600	PG-X	do.....	S. O. R. S.
Craigsmere.....	WXOO	300, 600	PG-X	do.....	R. C. of A.
Craincreek.....	WNAA	300, 600	PG-X	do.....	Do.
Crampton Anderson.....	KDOH	300, 450, 600	PG-X	Pan-Amer. Petr. & Trans. Co.	I. W. T. Co.
Cranenest.....	WNAE	300, 600	PG-X	U. S. S. B.....	Do.
Cranford.....	KOLX	300, 600	PG-X	do.....	R. C. of A.
Craster Hall.....	KLK	300, 600	PG-X	U. S. Steel Products Co.	I. W. T. Co.
Crathorne.....	WSOO	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Crawl Keys.....	WDEI	300, 600	PG-X	do.....	S. O. R. S.
Craycroft.....	WNAI	300, 600	PG-X	do.....	Owner of vessel.
Creole.....	KKR	300, 450, 600	PG-N	Southern Pacific Co.	I. W. T. Co.
Creole State.....	KDLB	300, 450, 600	PG-N	U. S. S. B.....	Do.
Cretan.....	KQC	300, 450, 600	PG-N	Mer. & Min. Trans. Co.	S. O. R. S.
Cricket.....	WSEI	300, 450, 600	PG-X	Cricket S. S. Co.....	Do.
Cripple Creek.....	KOJL	300, 376, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Crisfield.....	KOKP	300, 600	PG-X	do.....	Do.
Christina.....	KUZB	300, 450, 600	PG-X	Vincent Astor.....	Owner of vessel.
Cristobal.....	KMD	300, 450, 600	PG-N	Panama R. R. Co.....	R. C. of A.
Crofton Hall.....	KLR	300, 450, 600	PG-N	U. S. Steel Products Co.	I. T. W. Co.
Cross Keys.....	KOTD	300, 600	PG-X	U. S. S. B.....	Do.
Crown City.....	KUSP	300, 450, 600	PG-X	do.....	R. C. of A.
Crudoil.....	KUQD	300, 600	PG-X	do.....	Do.
Cuba.....	KDLK	300, 450, 600	PG-N	Pan-Amer. Petr. & Trans. Co.	Do.
Do.....	KDRT	300, 600	PG-N	Steamship Cuba, Inc.	R. C. of A.
Cubore.....	WQU	300, 600	PG-N	Penin. & Occidental S. S. Co.	C. & W.
Culberson.....	KUPP	300, 450, 600	PG-X	Pacific Mail S. S. Co.	R. C. of A.
Culburra.....	KDDV	300, 600	PG-X	Guaranty Trust Co.	F. T. CO.
Cuprum.....	KOZR	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Curacao.....	KDIJ	300, 600	PG-X	J. E. Chilberg.....	S. O. R. S.
Currier.....	WGK	300, 600	PG-N	U. S. S. B.....	R. C. of A.
Cushinet.....	KNU	300, 450, 600	PG-X	Pacific S. S. Co.....	C. & W.
Cushnoc.....	KONB	300, 600	PG-X	Gulf Refining Co.	R. C. of A.
Custodian.....	KIMJ	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Cuttymunk.....	KIVZ	300, 600	PG-X	do.....	S. O. R. S.
Cuyamaca.....	KONC	300, 600	PG-X	do.....	R. C. of A.
Dede County.....	KUXD	300, 450, 600	PG-X	do.....	Owner of vessel.
Dakotan.....	KIJZ	300, 600	PG-X	do.....	R. C. of A.
Dallas.....	WKD	300, 600	PG-X	American-Hawaiian S. S. Co.	Do.
Damakan.....	QEKB	300, 600	PG-N	U. S. S. B.....	R. C. of A.
Danebrog.....	KELS	300, 600	PG-X	do.....	S. O. R. S.
Dan F. Hanlon.....	WXAO	300, 600	PG-X	do.....	I. W. T. Co.
Daniel Webster.....	KDKU	300, 600	PG-X	D. J. Hanlon.....	R. C. of A.
Danniedaike.....	KOKM	300, 600	PG-X	U. S. S. B.....	Do.
Danville.....	KOPD	300, 450, 600	PG-X	do.....	S. O. R. S.
Darden.....	KOSJ	300, 450, 600	PG-X	U. S. S. B.....	Do.
Darien.....	KUPK	300, 600	PG-X	U. S.-Mex. Oil Corp.	R. C. of A.
Dartford.....	KULG	300, 600	PG-X	Panama R. R. Co.	S. O. R. S.
Dauperata.....	KDAV	300, 600	PG-X	U. S.-Mex. Oil Corp.	Do.
Davenport.....	KIZJ	300, 600	PG-X	do.....	R. C. of A.
David McKelvy.....	KUDR	300, 600	PG-X	J. O. Davenport.....	S. O. R. S.
Davidson County.....	KDTD	300, 600	PG-X	Tidewater Oil Co.	C. of A.
Dawn.....	KINX	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Dawnlite.....	KDHZ	300, 600	PG-X	William T. Donnelly.....	Do.
Daylite.....	KPP	300, 450, 600	PG-X	Standard Oil Co. of N. J.	Do.
Dayton.....	KPR	300, 450, 600	PG-X	do.....	I. W. T. Co.
Decatur Bridge.....	KNP	300, 450, 600	PG-X	do.....	S. O. R. S.
	KECJ	300, 600	PG-X	U. S. S. B.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Deepwater.....	KLY	300, 450, 600	PG-X	Castner, Curran & Bullitt.....	R. C. of A.
Deerfield.....	WTIU	300, 600	PG-N	Elder Steel S. S. Co.....	S. O. R. S.
Dear Lodge.....	KIMD	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Defiance.....	WSEA	300, 600	PG-X	do.....	Do.
Delanson.....	KOTX	300, 600	PG-X	do.....	Moore & McCormack.
Delavan.....	KIRQ	300, 600	PG-X	do.....	R. C. of A.
Delco.....	KIZB	300, 600	PG-X	Delco S. S. Co.....	S. O. R. S.
Delfina.....	KIVS	300, 600	PG-X	U. S. S. B.....	Do.
Delight.....	KQOE	300, 600	PG-X	do.....	R. C. of A.
Delisie.....	KIVT	300, 450, 600, 1800	PG-X	do.....	S. O. R. S.
Delivery No. 5.....	KDCK	300, 600	PG-X	Standard Oil Co. of N. Y.....	R. C. of A.
Dellwood.....	KUBZ	300, 600	PG-X	U. S. S. B.....	Do.
Delphine.....	KDRR	300, 600	PG-X	Horace E. Dodge, estate.....	Do.
Delphine.....	KIFL	300, 450, 600	PG-X	Horace E. Dodge.....	I. W. T. Co.
Delrosa.....	KUTG	300, 600	PG-X	U. S. S. B.....	Do.
Democracy.....	WAQ	300, 600	PG-N	do.....	Do.
Depere.....	KDBA	300, 450, 600	PG-X	do.....	I. W. T. Co.
Deranof.....	KQIO	300, 600	PG-X	do.....	Do.
Derblay.....	KDDT	300, 450, 600	PG-X	do.....	Do.
Derbyline.....	KIRT	300, 600	PG-X	do.....	Do.
Deroche.....	KOJB	300, 600	PG-X	do.....	I. W. T. Co.
Des Moines Bridge.....	KUCG	300, 600	PG-X	do.....	R. C. of A.
De Soto.....	KNI	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	I. W. T. Co.
Detroit-Wayne.....	KONX	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Deuel.....	KOMD	300, 600	PG-X	do.....	I. W. T. Co.
Devolente.....	KIVR	300, 600	PG-X	do.....	R. C. of A.
Dewey.....	KDNF	300, 600	PG-X	Andrew Olson.....	I. W. T. Co.
Dewey.....	KODT	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
D. G. Scofield.....	WRD	300, 450, 600, 1800	PG-X	Standard Oil Co. of Calif.....	Do.
Diablo.....	KEPD	300, 600	PG-X	U. S. S. B.....	Do.
Dillwyn.....	KODX	300, 600	PG-X	do.....	Do.
Dilworth.....	KOVJ	300, 450, 600	PG-X	do.....	I. W. T. Co.
Dinsmore.....	KDKN	300, 600	PG-X	do.....	Do.
Dio.....	WNEO	300, 600	PG-N	do.....	Do.
Director.....	KIJG	300, 600	PG-X	Northern Transportation Co.....	Do.
Dirigo.....	KEGM	300, 600	PG-X	Texas Co.....	S. O. R. S.
District of Col.....	KDMZ	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Dixiano.....	KDSP	300, 600	PG-X	Amer. Sugar Transit Corp.....	S. O. R. S.
Dochet.....	KIMR	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Dochra.....	KGL	300, 450, 600	PG-X	Barber & Co.....	S. O. R. S.
Donald McKay.....	KULL	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Donna Lane.....	KDGN	300, 600	PG-X	Donna Lane Motorship Corp.....	Owner of vessel.
Dora.....	WAH	300, 600	PG-X	N. C. Eggen.....	I. W. T. Co.
Dorchester.....	KQD	300, 450, 600	PG-X	Merch. & Miners Trans. Co.....	Owner of vessel.
Dorothy Bradford.....	KNA	300, 600	PG-X	Cape Cod S. S. Co.....	S. O. R. S.
Doylestown.....	KIPG	300, 600	PG-X	U. S. S. B.....	Do.
Dryden.....	KORK	300, 600	PG-X	do.....	R. C. of A.
Dulcino.....	KTV	300, 450, 600	PG-X	Amer. Sugar Transit Corp.....	S. O. R. S.
Dungannon.....	KUZV	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Dunsyre.....	KUMF	300, 600	PG-X	Robert Dollar Co.....	S. O. R. S.
Duquesne.....	KECS	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Durango.....	KDBT	300, 600	PG-X	do.....	France & Can. Oil Trans. Co.
Durham.....	KDNL	300, 450, 600	PG-X	William K. Vanderbilt, jr.....	Owner of vessel.
Eagle.....	KDBF	300, 600	PG-X	Standard Transportation Co.....	R. C. of A.
Eagle.....	KIR	300, 450, 600	PG-X	U. S. S. B.....	S. O. R. S.
E. A. Morse.....	KOVN	300, 600	PG-X	do.....	R. C. of A.
East Cape.....	KENC	300, 450, 600	PG-X	do.....	S. O. R. S.
East Chicago.....	KUKD	300, 600	PG-X	do.....	R. C. of A.
Easterling.....	KEJD	300, 600	PG-X	do.....	S. O. R. S.
Eastern Admiral.....	KURM	300, 600	PG-N	do.....	L. W. T. Co.
Eastern Belle.....	KUJT	300, 600	PG-X	do.....	S. O. R. S.
Eastern Breeze.....	KOPP	300, 600	PG-X	do.....	Do.
Eastern Chief.....	KSEI	300, 600	PG-X	do.....	Do.
Eastern Cloud.....	KUSQ	300, 450, 600	PG-X	do.....	Do.
Eastern Coast.....	KURX	300, 600	PG-X	do.....	Do.
Eastern Crag.....	KUJV	300, 450, 600	PG-X	do.....	I. W. T. Co.
Eastern Cross.....	WKIU	300, 600	PG-N	do.....	S. O. R. S.
Eastern Crown.....	KUNQ	300, 600	PG-N	do.....	R. C. of A.
Eastern Dawn.....	KUQT	300, 450, 600	PG-X	do.....	S. O. R. S.
Eastern Exporter.....	KDAZ	300, 600	PG-X	do.....	Do.
Easternerner.....	WGAE	300, 600	PG-N	do.....	I. W. T. Co.
Eastern Gale.....	KUDZ	300, 600	PG-X	do.....	S. O. R. S.
Eastern Glade.....	KUND	300, 450, 600	PG-N	do.....	I. W. T. Co.
Eastern Glen.....	KUVB	300, 450, 600	PG-N	do.....	Do.
Eastern Guide.....	KUCN	300, 450, 600	PG-X	do.....	S. O. R. S.
Eastern Importer.....	KDBY	300, 600	PG-X	do.....	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Eastern King.....	WFEA	300, 600	PG-X	U. S. S. B.	R. C. of A.
Eastern Knight.....	KUFB	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Eastern Leader.....	KDHY	300, 600	PG-X	.....do.....	I. W. T. Co.
Eastern Light.....	WKII	300, 600	PG-N	.....do.....	R. C. of A.
Eastern Maid.....	KUTF	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Eastern Mariner.....	KUGB	300, 450, 600	PG-X	.....do.....	R. C. of A.
Eastern Merchant.....	KUKS	300, 450, 600	PG-N	.....do.....	I. W. T. Co.
Eastern Moon.....	KUDX	300, 450, 600	PG-N	.....do.....	R. C. of A.
Eastern Ocean.....	KUNF	300, 600	PG-X	.....do.....	I. W. T. Co.
Eastern Pilot.....	KULJ	300, 450, 600	PG-X	.....do.....	R. C. of A.
Eastern Planet.....	KUPD	300, 450, 600	PG-N	.....do.....	R. C. of A.
Eastern Queen.....	KXUE	300, 600	PG-N	.....do.....	S. O. R. S.
Eastern Sailor.....	KUZT	300, 600	PG-X	.....do.....	I. W. T. Co.
Eastern Sea.....	KTEA	300, 450, 600	PG-N	.....do.....	Do.
Eastern Shore.....	WKIO	300, 600	PG-N	.....do.....	R. C. of A.
Eastern Soldier.....	KDED	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Eastern States.....	WEE	300, 600	PG-N	Detroit & Cleveland Nav. Co.	Do.
Eastern Star.....	KTAU	300, 600	PG-X	Standard S. S. Co.	I. W. T. Co.
Eastern Sun.....	KTIE	300, 600	PG-X	U. S. S. B.	Do.
Eastern Sword.....	KDKB	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Eastern Tempest.....	KUVG	300, 450, 600	PG-X	.....do.....	Do.
Eastern Tempie.....	KDEZ	300, 450, 600	PG-X	.....do.....	Do.
Eastern Trader.....	KULK	300, 450, 600	PG-N	.....do.....	I. W. T. Co.
Eastern Victor.....	KUNR	300, 600	PG-N	.....do.....	
East Hampton.....	KDFZ	300, 450, 600	PG-X	C. E. Davis Packing Co.	
East Indian.....	WGEI	300, 600	PG-N	U. S. S. B.	S. O. R. S.
Eastport.....	WCIE	300, 450, 600	PG-X	.....do.....	R. C. of A.
East Side.....	KIMQ	300, 600	PG-N	.....do.....	I. W. T. Co.
East Wind.....	KEKB	300, 600	PG-N	.....do.....	Do.
Eclipse.....	KEGF	300, 600	PG-X	.....do.....	S. O. R. S.
E. C. Pope.....	WZAU	300, 600	PG-X	Intercoast S. S. Co.	I. W. T. Co.
Ecuador.....	WBN	300, 600, 1800	PG-X	Pacific Mail S. S. Co.	F. T. Co.
Edellyn.....	KIJL	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Edenton.....	KECB	300, 450, 530 600	PG-X	.....do.....	Do.
Edgar F. Coney.....	KDHG	300, 600	PG-X	Philip Shore	
Edgar F. Lukenbach.....	KGK	300, 450, 530, 600	PG-X	Luckenbach Co.	Do.
Edgecombe.....	WQUE	300, 600	PG-X	U. S. S. B.	Do.
Edgefield.....	KEBF	300, 600	PG-N	.....do.....	I. W. T. Co.
Edgehill.....	KETN	300, 600	PG-X	.....do.....	R. C. of A.
Edgemoor.....	KEVF	300, 600	PG-X	.....do.....	Do.
Edgemont.....	KETP	300, 600	PG-X	.....do.....	Do.
Edgewood.....	KICM	300, 600	PG-X	.....do.....	Do.
Edisto.....	KILG	300, 600	PG-X	.....do.....	S. O. R. S.
Edith.....	KZF	300, 600	PG-X	A. H. Bull S. S. Co.	I. W. T. Co.
Editor.....	KOBG	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Edmore.....	KILJ	300, 600	PG-X	.....do.....	I. W. T. Co.
Edris.....	KDBG	300, 600	PG-X	Thomas H. Ince	Owner of vessel.
Edward J. Lawrence.....	KQY	300, 450, 600	PG-X	French Overseas Corp.	R. C. of A.
Edward L. Doheny.....	WIE	300, 450, 600	PG-X	Pan-Am. Petroleum & Tr. Co.	Do.
Edward L. Doheny, junior.....	WIJ	300, 450, 600	PG-X	.....do.....	Do.
Edward Luckenbach.....	KGQ	300, 450, 525, 600	PG-X	Luckenbach S. S. Co.	S. O. R. S.
Edward Pierce.....	KMOU	300, 600	PG-X	Crowell & Thurlow S. S. Co.	Owner of vessel.
Elbeck.....	KINQ	300, 600	PG-X	U. S. S. B.	R. C. of A.
Effingham.....	KOLT	300, 600	PG-X	.....do.....	Do.
Efina.....	KOMT	300, 600	PG-X	.....do.....	Do.
Egeria.....	KDCJ	300, 600	PG-X	Coast Shipbuilding Co.	S. O. R. S.
Eglantine.....	KOPT	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Egremont.....	KOQS	300, 600	PG-X	.....do.....	I. W. T. Co.
E. J. Earling.....	WEI	300, 600	PG-X	Franklin S. S. Co.	R. C. of A.
El Alba.....	KKL	300, 450, 600	PG-X	Southern Pacific Co.	Owner of vessel.
El Almirante.....	KKG	300, 450, 600	PG-X	.....do.....	Do.
El Capitan.....	KKH	300, 450, 600	PG-X	.....do.....	Do.
El Capitan.....	WNB	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
El Cid.....	KKT	300, 450, 600	PG-X	Southern Pacific Co.	Owner of vessel.
Eldena.....	KEVG	300, 600	PG-X	U. S. S. B.	R. C. of A.
El Dia.....	KKY	300, 450, 600	PG-N	Southern Pacific Co.	Owner of vessel.
E. L. Doheny, Third.....	WROO	300, 600	PG-X	U. S. S. B.	R. C. of A.
Eldorado.....	KMOI	300, 450, 600	PG-X	Western Transport Co.	Do.
Eldridge.....	KICN	300, 600	PG-X	U. S. S. B.	S. O. R. S.
El Esterio.....	KDKT	300, 600	PG-X	Southern Pacific Co.	Owner of vessel.
Elfay.....	KOVQ	300, 450, 600	PG-X	Russell A. Alger	S. O. R. S.
Elinor.....	KVR	300, 600	PG-X	U. S. S. B.	Do.
Elisha Walker.....	KDQG	300, 600	PG-X	Pan-Amer. Pet. & Transp. Co.	R. C. of A.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
El Isleo.....	KDNA	300, 600	PG-X	Southern Pacific Co.....	Owner of vessel.
Elkhorn.....	KOCL	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Elkridge.....	KISG	300, 600	PG-X	.....do.....	I. W. T. Co.
Elkton.....	KOFK	300, 600	PG-X	.....do.....	Owner of vessel.
El Lago.....	KDNW	300, 600	PG-X	Southern Pacific Co.....	S. O. R. S.
Elmac.....	KDCY	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Elmsport.....	KILF	300, 600	PG-X	.....do.....	Owner of vessel.
El Mundo.....	KKU	300, 450, 600	PG-X	Southern Pacific Co.....	Do.
El Norte.....	KKN	300, 450, 600	PG-X	.....do.....	Do.
El Occidente.....	KKX	300, 600	PG-N	.....do.....	Do.
El Oriente.....	KKV	300, 450, 600	PG-X	.....do.....	Do.
El Rio.....	KKZ	300, 450, 600	PG-N	.....do.....	Do.
El Segundo.....	WTQ	300, 600	PG-X	Standard Oil Co. of Calif.	R. C. of A.
El Siglo.....	KKS	300, 450, 600	PG-N	Southern Pacific Co.....	Owner of vessel.
El Sol.....	KKB	300, 450, 600	PG-N	.....do.....	Do.
El Sud.....	KKQ	300, 450, 600	PG-X	.....do.....	Do.
El Valle.....	KKW	300, 450, 600	PG-X	.....do.....	Do.
Emergency Aid.....	KDKD	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Empire State.....	KDSV	300, 600	PG-X	.....do.....	Do.
Endicott.....	KODN	300, 450, 600	PG-X	.....do.....	Do.
Englewood.....	WGAA	300, 600	PG-X	.....do.....	R. C. of A.
Ensley City.....	KUZS	300, 600	PG-X	U. S. Steel Products Co.	Owner of vessel.
Enterprise.....	WMN	300, 450, 600	PG-N	Matson Navigation Co.	I. W. T. Co.
Eocene.....	KTM	300, 600	PG-X	Standard Oil Co. of N. Y.	R. C. of A.
Epitacio Pessoa.....	KOCC	300, 600	PG-X	U. S. S. B.....	Do.
E. R. Kemp.....	KDQD	300, 600	PG-X	Sinclair Navigation Co.	Owner of vessel.
Ernest H. Meyer.....	WMJ	300, 600	PG-X	Broughton & Wiggins Nav. Co.	I. W. T. Co.
E. R. Sterling.....	WIS	300, 565, 600	PG-X	Sterling Ship Co.....	R. C. of A.
Escambia.....	KOGK	300, 600	PG-X	U. S. S. B.....	Do.
Esparta.....	KDO	300, 450, 600	PG-X	United Fruit Co.	S. O. R. S.
Esperanza.....	KWZ	300, 450, 600	PG-N	New York & Cuba Mail S. S. Co.	T. R. T. Co.
Essex.....	KQE	300, 450, 600	PG-N	Merchants & Miners' Trans. Co.	I. W. T. Co.
Estrada Palma.....	KDMG	300, 600	PG-X	Florida East Coast Car Fer. Co.	Do.
E. T. Bedford.....	KDSB	300, 600	PG-N	Standard Oil Co. of N. J.	R. C. of A.
Ethan Allen.....	KUJQ	300, 600, 1800	PG-N	U. S. S. B.....	Do.
Eugene V. R. Thayer.....	KDMA	300, 600	PG-X	Sinclair Navigation Co.	S. O. R. S.
Eurana.....	KJG	300, 600	PG-X	Green Star S. S. Corp.	R. C. of A.
Evansville.....	KIKT	300, 600	PG-N	U. S. S. B.....	Do.
Evelyn.....	KZP	300, 600	PG-X	A. H. Bull S. S. Co.	I. W. T. Co.
Everett.....	KUQR	300, 600	PG-X	Chas. R. McCormick & Co.	Owner of vessel.
Everett.....	KZT	300, 600	PG-X	New England Fuel & Tr. Co.	R. C. of A.
Everglades.....	WQEE	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Evergreen City.....	KUNJ	300, 600	PG-X	.....do.....	Do.
E. W. Sinclair.....	KDRN	300, 600	PG-X	Sinclair Navigation Co.	R. C. of A.
Excelsior.....	KKO	300, 600	PG-N	Southern Pacific Co.	Owner of vessel.
Explorer.....	KIVN	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Fairfield City.....	KDPY	300, 450, 600	PG-X	U. S. Steel Products Co.	Do.
Fairmont.....	KXT	300, 600	PG-X	Coastwise Transportation Co.	Owner of vessel.
Fair Oaks.....	WSM	300, 600	PG-X	Oriental Navigation Corp.	I. W. T. Co.
Faith.....	KJOA	300, 600	PG-X	San Francisco Shipbuilding Co.	Do.
Faraby.....	KEJV	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Fargo.....	KONL	300, 600	PG-X	.....do.....	Do.
Farnam.....	KQIE	300, 600	PG-X	.....do.....	R. C. of A.
Favorite.....	KIFG	300, 600	PG-X	Great Lakes Towing Co.	Owner of vessel.
Favorite.....	KDNY	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Fayette Brown.....	WCF	300, 600	PG-X	Harvey H. Brown & Co.	R. C. of A.
F. B. Squire.....	WQG	300, 600	PG-X	Jenkins S. S. Co.	Do.
F. C. Latrobe.....	WFU	300, 600	PG-X	City of Baltimore.	Owner of vessel.
F. D. Asche.....	KDOL	300, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Fearless.....	KSUA	300, 450, 600	PG-X	Ship Own. & Mer. Tugboat Co.	Owner of vessel.
Federal.....	KDRA	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Federal Bridge.....	WDOO	300, 600	PG-N	.....do.....	Do.
Felix Taussig.....	KOCN	300, 450, 600	PG-X	Crowell & Thurlow S. S. Co.	Owner of vessel.
Feltore.....	KXZ	300, 600	PG-X	Ore S. S. Corp.	R. C. of A.
Finland.....	KFG	300, 450, 600	PG-X	Inter. Mercantile Marine Co.	I. W. T. Co.
Firmore.....	KSF	300, 600	PG-N	Ore S. S. Corp.	R. C. of A.
Firthcliffe.....	KDX	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Fishkill.....	KITF	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
F. J. Luckenbach.....	KULF	300, 600	PG-X	.....do.....	S. O. R. S.
Fleetco.....	WNZ	300, 450, 600	PG-X	Luckenbach S. S. Co.	R. C. of A.
Florence Luckenbach.....	KURK	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Florence Olson.....	WNM	300, 600	PG-X	Luckenbach S. S. Co.	Owner of vessel.
Florida.....	WPK	300, 600	PG-X	Oliver J. Olson.....	R. C. of A.
Florida.....	WJJ	300, 600	PG-X	Goodrich Transit Co.	Do.
Florida.....	KUS	300, 450, 600	PG-X	Texas Co.....	Owner of vessel.
Floridian.....	WLR	300, 450, 600	PG-X	American-Hawaiian S. S. Co.	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Fluor Spar.....	KIQX	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Fordonian.....	KRU	300, 600	PG-X	Amer.-Mediterranean S. S. Co.	Do.
Forest King.....	KDBH	300, 425, 600	PG-X	Forest King Co.....	S. O. R. S.
Fort Armstrong.....	KUKF	300, 600	PG-X	U. S. S. B.....	Do.
Fort Bragg.....	WLH	300, 600	PG-X	Charles H. Higgins.....	I. W. T. Co.
Fort George.....	KDJB	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Fort Logan.....	KIQJ	300, 600	PG-X	do.....	Do.
Fort Pitt Bridge.....	KWB	300, 450, 600	PG-X	do.....	Do.
Fort Seward.....	KEVJ	300, 450, 600	PG-X	do.....	Do.
Fort Wayne.....	WDOU	300, 600	PG-N	do.....	Do.
Fort Worth.....	KLD	300, 600	PG-X	do.....	Do.
Fourth Alabama.....	KIXJ	300, 600	PG-X	do.....	Do.
F. Q. Barstow.....	KNQ	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	F. T. Co.
Frank G. Drum.....	KDQZ	300, 600	PG-X	Associated Oil Co.....	I. R. T. Co.
Frank H. Buck.....	WTQ	300, 600, 1800	PG-X	do.....	R. C. of A.
Franklin.....	KDPK	300, 450, 600	PG-X	Galena Navigation Co.....	I. W. T. Co.
Franklin.....	WFF	300, 450, 600	PG-X	Coastwise Transportation Co.....	R. C. of A.
Franklin County.....	KOTV	300, 600	PG-X	U. S. S. B.....	Do.
Franklin K. Lane.....	KDLH	300, 600	PG-X	Pan-Amer. Pet. & Transp. Co.....	Owner of vessel.
Fred Baxter.....	WOG	300, 600	PG-X	Fred Baxter S. S. Co.....	R. C. of A.
Frederic Ewing.....	WNQ	300, 450, 600	PG-X	Pan-Amer. Pet. & Transp. Co.....	R. C. of A.
Frederic R. Kellogg.....	WIQ	300, 450, 600	PG-X	do.....	Do.
Frederick Luckenbach.....	KGV	300, 600	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Fred W. Weller.....	KNY	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Freedom.....	KFW	300, 600	PG-N	U. S. S. B.....	Do.
Freeman.....	WMM	300, 600	PG-X	Pocahontas Fuel Co.....	Do.
Freeport Sulphur No. 1.....	KRA	300, 600	PG-X	Freeport Sulphur Transp. Co.....	Do.
Freeport Sulphur No. 2.....	KRG	300, 600	PG-X	do.....	Do.
Freeport Sulphur No. 5.....	KUMK	300, 450, 600	PG-X	do.....	Do.
Freeport Sulphur No. 6.....	KUNP	300, 450, 600	PG-X	do.....	Do.
Fresno.....	KTIO	300, 600	PG-N	U. S. S. B.....	R. C. of A.
Frieda.....	KFF	300, 450, 600	PG-X	Union Sulphur Co.....	S. O. R. S.
Fueloil.....	KUQB	300, 600	PG-X	Pan-Amer. Petrlm. & Tr. Co.....	R. C. of A.
Gaffney.....	KICR	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Galahad.....	KEQR	300, 600	PG-X	do.....	I. W. T. CO.
Galesburg.....	WGAE	300, 600	PG-X	do.....	Do.
Galveston.....	KDQE	300, 600	PG-X	do.....	R. C. of A.
Ganerl.....	KERL	300, 600	PG-N	do.....	Do.
Garfield.....	WQOE	300, 600	PG-X	Grace S. S. Co.....	Do.
Gargoyle.....	KDPE	300, 600	PG-X	Vacuum Oil Co.....	Do.
Garibaldi.....	KROU	300, 600	PG-X	U. S. S. B.....	Do.
Gateway City.....	KDFD	300, 600	PG-X	do.....	Do.
Gdansk.....	WHJ	300, 450, 600	PG-N	Polish-American Nav. Corp.....	Do.
Gene Crawley.....	KQF	300, 600	PG-X	Sinclair Gulf Corp.....	Do.
General G. W. Goethals.....	KMZ	300, 600	PG-N	Panama R. R. Co.....	Owner of vessel.
General H. F. Hodges.....	KPG	300, 600	PG-N	do.....	Do.
General O. H. Ernst.....	KPF	300, 600	PG-N	do.....	Do.
General W. C. Gorgas.....	KIP	300, 600	PG-N	do.....	Do.
Genesee.....	KIDL	300, 450, 600	PG-X	W. K. Vanderbilt, jr.....	Do.
George L. Harvey.....	KDET	300, 600	PG-X	Joseph Kildall.....	Do.
George B. MacKenzie.....	KUNT	300, 600	PG-X	American Bauxite Co.....	R. C. of A.
George C. Greer.....	KOQL	300, 450, 600	PG-X	Magnolia Petroleum Co.....	Owner of vessel.
George E. Weed.....	KDIM	300, 600, 1800	PG-X	U. S. S. B.....	S. O. R. S.
George G. Henry.....	WIT	300, 600	PG-X	Pan-Amer. Petrlm. & Tr. Co.....	R. C. of A.
Geo. H. Jones.....	KIPS	300, 600	PG-X	Standard Oil Co. of N. J.....	Do.
George Pierce.....	KDLT	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
George Washington.....	KDCL	300, 600	PG-N	do.....	Do.
George W. Barnes.....	KMU1	300, 600	PG-X	Pan-Amer. Petrlm. & Tr. Co.....	R. C. of A.
Georgia.....	KUR	300, 450, 600	PG-X	Texas Co.....	I. W. T. Co.
Georgia.....	WFA	300, 600	PG-X	Crosby Transportation Co.....	Owner of vessel.
Georgina Rolph.....	KETX	300, 600	PG-X	Ralph Nav. & Coal Co.....	R. C. of A.
Gladysbe.....	KDEV	300, 600	PG-X	U. S.-Mex. Oil Corp.....	I. W. T. Co.
Glendola.....	KFAI	300, 600	PG-X	Glendola S. S. Corp.....	Owner of vessel.
Glendoyle.....	KFAO	300, 600	PG-X	Glendoyle S. S. Corp.....	R. C. of A.
Glenora.....	KDFP	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Glenpool.....	KOH	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Glen Ridge.....	KIRZ	300, 600	PG-X	U. S. S. B.....	Do.
Gloria West.....	KSTIE	300, 600	PG-X	Castner, Curran & Bullitt.....	Do.
Gloucester.....	KDSK	300, 450, 600	PG-X	H. T. West.....	Owner of vessel.
	KQG	300, 450, 600	PG-N	MERCHANTS & MINERS TRS. CO.	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Glymont.....	KEXZ	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Glyndon.....	KEZQ	300, 450, 600	PG-X	Glyndon S. S. Corp.....	Do.
Gold Shell.....	WIB	300, 450, 600	PG-X	Gold Shell S. S. Co.....	Do.
Golden State.....	KDCM	300, 450, 600, 1800	PG-N	U. S. S. B.....	S. O. R. S.
Gold Star.....	KDBD	300, 450, 600, 1800	PG-X	.....do.....	
Gold Star.....	KDPZ	300, 600	PG-X	U. S. B. B.....	I. W. T. Co.
Gonzalis.....	KOBQ	300, 600	PG-X	.....do.....	Do.
Goodspeed.....	WKEO	300, 600	PG-X	.....do.....	I. W. T. Co.
Goree.....	WLII	300, 600	PG-X	.....do.....	Do.
Gorgona.....	KDNZ	300, 600	PG-N	Peninslr. & Occidental S.S.Co.	R. C. of A.
Governor Cobb.....	KRB	300, 600	PG-N	Eastern S. S. Lines.....	Do.
Governor Dingley.....	KRV	300, 450, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Governor John Lind.....	WREU	300, 450, 600	PG-X	.....do.....	
Grand Haven.....	KEXR	300, 600	PG-X	Grand Trunk Car Ferry Line.	R. C. of A.
Granite State.....	KDOZ	300, 450, 600	PG-N	U. S. S. B.....	Do.
Gratia.....	KIGP	300, 450, 600	PG-X	Gratia Navigation Co.....	I. W. T. Co.
Great Falls.....	KUFK	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Grecian.....	KQR	300, 450, 600	PG-N	Merchants & Miners Trs. Co.	I. W. T. Co.
Greenland.....	KUPG	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Greenwood.....	WLL	300, 600	PG-X	Greenwood S. S. Co.....	I. W. T. Co.
Griffo.....	KDFN	300, 425, 600	PG-X	James Griffiths & Sons.....	S. O. R. S.
Griffdu.....	KDL	300, 425, 600	PG-X	Universal S. S. Co.....	Owner of vessel.
Guantanamo.....	KWN	300, 450, 600	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Guardian.....	WGZ	300, 600	PG-X	Central & South Am. Tel. Co.	Owner of vessel.
Guardsman.....	KIVX	300, 600	PG-X	T. A. Scott Co.....	I. W. T. Co.
Guaro.....	WJV	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Guimba.....	WJIE	300, 600	PG-N	.....do.....	I. W. T. Co.
Gulfcoast.....	KUE	300, 600	PG-X	Gulf Refining Co.....	Do.
Gulking.....	KDNO	300, 600	PG-X	.....do.....	Do.
Gulfland.....	KUD	300, 600	PG-X	.....do.....	Do.
Gulfflight.....	KUA	300, 600	PG-X	.....do.....	Do.
Gulfmaid.....	KUB	300, 450, 600	PG-X	.....do.....	Do.
Gulf of Mexico.....	KUC	300, 450, 600	PG-X	.....do.....	Do.
Gulfoil.....	KTG	300, 600	PG-X	.....do.....	Do.
Gulfport.....	KREE	300, 600	PG-X	Freep't-Tmp. F'l Oil Tr. Corp.	R. C. of A.
Gulf Prince.....	KDRB	300, 600	PG-X	Gulf Refining Co.....	I. W. T. Co.
Gulf Queen.....	KVS	300, 600	PG-X	.....do.....	Do.
Gulfstar.....	KDEB	300, 600	PG-X	.....do.....	Do.
Gulfstream.....	KTB	300, 600	PG-X	.....do.....	Do.
Gulftrade.....	KOVB	300, 600	PG-X	.....do.....	Do.
Gunston Hall.....	KICV	300, 600	PG-N	U. S. S. B.....	Do.
Haddon.....	KIRN	300, 600	PG-X	.....do.....	S. O. R. S.
Hadnot.....	KOGP	300, 600	PG-X	.....do.....	
Hagan.....	KOQC	300, 600	PG-X	.....do.....	
Hagood.....	KOQD	300, 600	PG-X	.....do.....	
Hahatonka.....	KUPF	300, 600	PG-X	.....do.....	
Hahira.....	KUZC	300, 600	PG-X	.....do.....	
Halycon.....	KZL	300, 450, 600	P-X	Dutee W. Flint.....	R. C. of A.
Haleakala.....	KORL	300, 600	PG-X	U. S. S. B.....	Owner of vessel.
Half Moon.....	KUVX	300, 600	PG-N	.....do.....	I. W. T. Co.
Halo.....	KDCP	300, 600	PG-X	.....do.....	S. O. R. S.
Halsey.....	KDDR	300, 600	PG-X	.....do.....	Do.
Halway.....	KDFQ	300, 600	PG-X	.....do.....	Do.
Hambro.....	KDSH	300, 600	PG-X	.....do.....	
Hammac.....	KDTJ	300, 600	PG-X	.....do.....	
Hampden.....	WXU1	300, 600	PG-X	Coastwise Transportation Co.	R. C. of A.
Hampton Roads.....	KESR	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Hancock County.....	KORT	300, 600	PG-X	.....do.....	Do.
Hanley.....	KDIF	300, 600, 1800	PG-X	.....do.....	
Hannawa.....	KDFF	300, 600	PG-X	.....do.....	
Hanover.....	KOJK	300, 600	PG-X	.....do.....	
Harold Walker.....	WIX	300, 450, 600	PG-X	Pan-Amer. Petrlm. & Tr. Co.	I. W. T. Co.
Harry Farnum.....	KQJA	300, 450, 600	PG-X	Sinclair Gulf Corp.....	R. C. of A.
Harry Luckenbach.....	KIGS	300, 600	PG-N	Luckenbach S. S. Co.....	S. O. R. S.
Harry W. Croft.....	WQF	300, 600	PG-X	Harvey H. Brown & Co.....	R. C. of A.
Hartford.....	KOSX	300, 600	PG-X	U. S. S. B.....	Owner of vessel.
Hartwood.....	KEVR	300, 600	PG-X	Hart-Wood Lumber Co.	
Harvard.....	WRH	300, 600	PG-N	.....do.....	
Harvester.....	KDHC	300, 600	PG-X	Texas S. S. Co.....	I. W. T. Co.
Harvey H. Brown.....	WQE	300, 600	PG-X	Castner, Curran & Bullett.....	R. C. of A.
Haslehurst.....	KOXB	300, 450, 600	PG-X	U. S. S. B.....	Do.
Hastings.....	KDDL	300, 600	PG-X	.....do.....	I. W. T. Co.
Hastnal.....	KUVP	300, 600	PG-X	National Oil Transport Co.	C. & W.
Hatchie.....	KIVJ	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Hathaway.....	KODK	300, 600	PG-X	.....do.....	R. C. of A.
Hatteras.....	WNV	300, 450, 600	PG-X	.....do.....	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Hattie Luckenbach	WNF	300, 600	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Havilah	KUJK	300, 450, 600	PG-X	U. S. S. B.....	Owner of vessel.
Hawaiian	WKU	300, 600	PG-X	American-Hawaiian S. S. Co.....	
Hawarden	KUPX	300, 450, 600	PG-X	U. S. S. B.....	
Hawkeye State	KDNV	300, 450, 600, 1800	PG-N	do.....	S. O. R. S.
Haxtum	KUTB	300, 450, 600	PG-X	do.....	R. C. of A.
Hayden	KUZP	300, 450, 600	PG-X	do.....	Do.
Haymon	KDBU	300, 600	PG-X	do.....	S. O. R. S.
Haynie	KDCR	300, 600	PG-X	do.....	
H. C. Folger	KHS	300, 450, 600	PG-X	Atlantic Refining Co.....	R. C. of A.
Heber	KDDU	300, 600	PG-X	U. S. S. B.....	
Heffron	WBAI	300, 600	PG-X	do.....	I. W. T. Co.
Hegira	KIDF	300, 600	PG-N	do.....	R. C. of A.
Helen	KZH	300, 600	PG-X	Bull-Insular S. S. Co.....	I. W. T. Co.
Henry Clay	KESZ	300, 600	PG-X	U. S. S. B.....	Do.
Henry County	KOMS	300, 600	PG-X	do.....	Do.
Henry D. Whiton	KDRM	300, 600	PG-X	Union Sulphur Co.....	
Henry J. Biddle	WOW	300, 600	PG-X	Calif. & Hawaiian Sgr. Rig. Co.	Owner of vessel.
Henry M. Flagler	KOX	300, 600	PG-X	Fla. East Coast Car Ferry Co.	R. C. of A.
Henry R. Mallory	KEF	300, 450, 600	PG-N	Mallory S. S. Co.....	I. W. T. Co.
Henry S. Grove	KDLN	300, 600	PG-X	U. S. S. B.....	
Henry Steers	KURR	300, 450, 600	PG-X	do.....	S. O. R. S.
Hera	KDGA	300, 600	PG-X	do.....	R. C. of A.
Herbert G. Wyllie	WIF	300, 450, 600	PG-N	Pan-Amer. Petrim. & Tr. Co.	
Herbert L. Pratt	KOY	300, 600	PG-X	Atlantic Refining Co.....	
Hercules	KOCT	300, 600	PG-X	Moore Shipbuilding Co.....	T. R. T. Co.
Heredia	KDH	300, 600	PG-N	United Fruit Co.....	Do.
Herman Frasch	KDLW	300, 600	PG-X	Union Sulphur Co.....	
Herman Winter	WDAO	300, 600	PG-X	Eastern S. S. Lines.....	R. C. of A.
Hernosa	WBP	300, 600	PG-X	Wilmington Trans. Co.....	Do.
H. F. Dimock	KEN	300, 450, 600	PG-X	do.....	S. O. R. S.
H. F. Morse	KOFJ	300, 600	PG-N	Eastern S. S. Lines.....	Do.
H. H. Rogers	KSI	300, 450, 600	PG-X	United States Transport Co.	R. C. of A.
Hickman	WFOA	300, 450, 600	PG-N	Standard Oil Co. of N. J.	Do.
Hico	KECK	300, 600	PG-X	U. S. S. B.....	Do.
Higho	KUBV	300, 600	PG-X	do.....	Do.
Hillborough County	KIKB	300, 600	PG-X	do.....	Do.
Hilton	KZK	300, 600	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Hinckley	KURB	300, 450, 600	PG-X	do.....	S. O. R. S.
Hisko	WQD	300, 600	PG-X	do.....	
H. M. Flagler	KER	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
H. M. Whitney	WPV	300, 600	PG-X	Whitney Steamship Co.....	Do.
Hoboken	KDEQ	300, 440, 525, 600	PG-X	Erie Basin Tow. & Hoist Co.	S. O. R. S.
Hog Island	KODV	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Holbrook	WQII	300, 600	PG-X	do.....	S. O. R. S.
Holden Evans	KMY	300, 450, 600	PG-X	Holden Evans S. S. Co.....	Owner of vessel.
Hollywood	WKH	300, 440, 525, 600	PG-N &X	Hollywood S. S. Co.....	
Hollywood	KDCS	300, 450, 600	PG-N	U. S. S. B.....	
Holyoke Bridge	KUCJ	300, 600	PG-X	do.....	I. W. T. Co.
Homer	KUMG	300, 600	PG-X	D. J. Hanlon.....	Owner of vessel.
Homestead	KEKR	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Honnedaga	KUXZ	300, 600	PG-N	do.....	I. W. T. Co.
Honolulu	WMZ	300, 600	PG-X	do.....	Moore & McCormack.
Hoosac	WQAU	300, 600	PG-X	do.....	
Hopatcong	KDKC	300, 600	PG-N	do.....	S. O. R. S.
Horace X. Baxter	WOF	300, 600	PG-X	Horace X. Baxter S. S. Co.....	I. W. T. Co.
Houma	WTUO	300, 600	PG-X	do.....	R. C. of A.
Houston	KDCO	300, 450, 600	PG-X	do.....	I. W. T. Co.
Hoven	KEXV	300, 600	PG-N	do.....	I. W. T. Co.
Howard	KQH	300, 450, 600	PG-N	do.....	I. W. T. Co.
Howick Hall	KLT	300, 600	PG-X	Merch. & Min's. Trans. Co.	R. C. of A.
Hoxbar	KIQ	300, 600	PG-N	U. S. Steel Products Co.	Do.
Hoxie	KEMK	300, 600	PG-X	do.....	S. O. R. S.
Hudson	KDCI	300, 600	PG-N	do.....	Do.
Hudsonian	KUCL	300, 450, 600	PG-X	do.....	I. W. T. Co.
Hugoton	KIVR	300, 600	PG-X	do.....	
Hukey	KIFC	300, 600	PG-X	do.....	R. C. of A.
Hulaco	KODQ	300, 600	PG-X	do.....	I. W. T. Co.
Hulver	KIGD	300, 600	PG-X	do.....	R. C. of A.
Humaconna	KIGC	300, 600	PG-X	do.....	I. W. T. Co.
Humboldt	WHX	300, 600	PG-N	James Jerome.....	S. O. R. S.
Hurwick	KIFN	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Huron	KUSD	300, 450, 600	PG-N	do.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Huron.....	KVH	300, 450, 600	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Huron.....	WCH	300, 600	PG-X	Wyandotte Trans. Co.....	R. C. of A.
Hutchinson.....	KUJP	300, 450, 600	PG-N	U. S. S. B.....	Do.
Hyades.....	WMK	300, 450, 600	PG-X	Matson Navigation Co.....	Do.
Hyannis.....	KINC	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Hybert.....	KDCA	300, 600	PG-X	.....do.....	S. O. R. S.
Ice King.....	KJUA	300, 600	PG-N	Texas Co.....	R. C. of A.
Iceland.....	KOKK	300, 600	PG-X	.....do.....	S. O. R. S.
Iconium.....	WQUO	300, 600	PG-X	.....do.....	Do.
I. C. White.....	KDBB	300, 600	PG-X	Pan-Amer. Petro. & Trans. Co.	R. C. of A.
Ida.....	WLW	300, 450, 600	PG-X	U. S. S. B.....	Do.
I. D. Fletcher.....	KFI	300, 600	PG-X	Coast Transit Co.....	Do.
I. J. Merritt.....	KOVZ	300, 600	PG-X	Merritt & Chapman Derrick & Wrecking Co.	Owner of vessel.
Illinois.....	KDSZ	300, 600	PG-X	Texas Co.....	
Illinois.....	WCZ	300, 600	PG-X	Northern Mich. Trans. Co.....	R. C. of A.
Imlay.....	KIZV	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Independence.....	WJIO	300, 600	PG-N	.....do.....	S. O. R. S.
Independence Hall.....	KDCG	300, 600	PG-X	.....do.....	R. C. of A.
Independent.....	WPI	300, 600	PG-X	Nat. Ind. Fisheries Co.....	S. O. R. S.
Independent Bridge.....	KOGB	300, 600	PG-X	U. S. S. B.....	
India Arrow.....	KDHP	300, 600	PG-X	Standard Transportation Co.....	R. C. of A.
Indiana.....	WFC	300, 600	PG-X	Goodrich Transit Co.....	Do.
Indiana Bridge.....	KOND	300, 600	PG-X	U. S. S. B.....	Do.
Indiana Harbor.....	KUBS	300, 600	PG-X	.....do.....	I. W. T. Co.
Indianapolis.....	WROE	300, 600	PG-N	.....do.....	Do.
Ingold.....	WLUU	300, 600	PG-X	.....do.....	Do.
Innoko.....	KITJ	300, 450, 600	PG-N	.....do.....	R. C. of A.
Inspector.....	KOKR	300, 600	PG-X	.....do.....	I. W. T. Co.
Intan.....	KIGK	300, 600	PG-N	.....do.....	R. C. of A.
Intrepid.....	KDHI	300, 600	PG-X	W. S. Kilmer.....	Do.
Invincible.....	WCII	300, 450, 600	PG-X	U. S. S. B.....	Do.
Iowan.....	WKJ	300, 600	PG-X	American-Hawaiian S. S. Co.....	Owner of vessel.
Ipswich.....	KILV	300, 600	PG-X	Shawmut S. S. Co.....	Do.
Iris.....	WOJ	300, 450, 600	PG-X	Pacific Transport Co.....	R. C. of A.
Iroquois.....	KUTQ	300, 600	PG-X	Chicago & S. H. S. S. Co.....	Do.
Iroquois.....	KVF	300, 450, 600	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Irvington.....	KOGQ	300, 600	PG-N	U. S. S. B.....	R. C. of A.
Isaac L. Rice.....	WKK	300, 600	PG-X	Electric Boat Co.....	
Isanti.....	WVEU	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Isonomia.....	KEL	300, 600	PG-N	.....do.....	Do.
Italia.....	KUPB	300, 450, 600	PG-X	Submarine Boat Corp.....	Transmarine Corp.
Itompa.....	KENR	300, 450, 600	PG-X	.....do.....	
J. A. Bostwick.....	KJN	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Jackson.....	KIKC	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Jacksonville.....	KOJG	300, 600	PG-X	.....do.....	Do.
Jacona.....	WQUU	300, 600	PG-X	.....do.....	I. W. T. Co.
Jacox.....	KEML	300, 600	PG-X	.....do.....	S. O. R. S.
Jadden.....	KORM	300, 600	PG-X	.....do.....	Do.
Jalapa.....	KDCW	300, 600	PG-X	.....do.....	R. C. of A..
James McGee.....	KTP	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	S. O. R. S.
James Otis.....	KDCD	300, 600, 1800	PG-X	U. S. S. B.....	Owner of vessel.
James S. Whitney.....	WPW	300, 600	PG-X	Acme S. S. Corp.....	R. C. of A.
Jamestown.....	KOC	300, 450, 600	PG-N	Old Dominion S. S. Co.....	
J. A. Moffett.....	WRE	300, 600, 1800	PG-X	Standard Oil Co. of Calif.....	
Janelaw.....	KDFS	300, 600	PG-X	U. S. S. B.....	
Japan Arrow.....	KDHO	300, 600	PG-N	Standard Transportation Co.....	Do.
Java Arrow.....	KDHQ	300, 600	PG-X	.....do.....	Do.
J. B. Stetson.....	WVUE	300, 600	PG-X	Pacific Mercantile Marine Co.....	
J. C. Donnell.....	WJM	300, 600	PG-X	Atlantic Refining Co.....	Do.
Jean.....	KZJ	300, 600	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Jeanette Skinner.....	WQW	300, 440, 525, 600	PG-X	U. S. S. B.....	Do.
Jeff Davis.....	KDQF	300, 600	PG-X	.....do.....	S. O. R. S.
Jefferson.....	KOD	300, 600	PG-X	Old Dominion Trans. Co.....	Owner of vessel.
Jefferson.....	WAJ	300, 550, 600	PG-N	Alaska S. S. Co.....	S. O. R. S.
Jefferson County.....	KIKF	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Jekyl.....	KEBS	300, 600	PG-X	.....do.....	Do.
Jennie R. Morse.....	KUNN	300, 600	PG-X	.....do.....	S. O. R. S.
J. E. O'Neil.....	KSB	300, 600	PG-X	Atlantic Refining Co.....	R. C. of A.
Jepta.....	KDFU	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
J. Fletcher Farrel.....	KDHR	300, 600	PG-X	Sinclair Nav. Co.....	R. C. of A.
J. F. Penrose.....	KUQN	300, 450, 600	PG-X	National Oil Transport Co.....	C. & W.
Jim Sid.....	KUZD	300, 600	PG-X	Gulf Barge & Towing Co.....	
J. L. Luckenbach.....	KGT	300, 600	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
J. L. Reiss.....	KURJ	300, 600	PG-X	Minnesota Transit Co.....	R. C. of A.
J. M. Danziger.....	WIW	300, 450, 600	PG-X	Pan-Amer. Petro. & Trans. Co.....	Do.
J. M. Gutfay.....	KTF	300, 600	PG-X	Gulf Refining Co.....	I. W. T. Co.
Johanna Smith.....	WHZ	300, 600	PG-X	Coos Bay Lumber Co.....	Owner of vessel.

**COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.**

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
John Adams.....	KOSS	300, 600	PG-X	U. S. S. B.....	R. C. of A.
John D.Rockefeller	KTO	300, 600	PG-X	Standard Oil Co. of N. J.....	Do.
John Ena.....	KIRS	300, 600	PG-X	Robert Dollar Co.....	
John Englis.....	KDDJ	300, 450, 600, 1800	PG-X	U. S. S. B.....	
John F. Hyland.....	KUSM	300, 600	-----	City of N. Y., Police Depart.....	Owner of vessel.
John Jay.....	KUXR	300, 600	PG-X	U. S. S. B.....	
John M. Connealy.....	KJEI	300, 600	PG-X	U. S. S. B.....	R. C. of A.
John P. Reiss.....	KUTM	300, 600	PG-X	North American S. S. Co.....	Do.
John R. Gibbons.....	KURL	300, 600	PG-X	American Bauxite Co.....	Do.
John Roach.....	KOSN	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Johnson City.....	KIKD	300, 600	PG-X	-----do-----	S. O. R. S.
John Stevens.....	KDGM	300, 600, 1800	PG-X	-----do-----	R. C. of A.
John Worthington.....	KDNM	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	Do.
John W. Wells.....	KOCR	300, 600	PG-X	Chas. R. McCormick & Co.....	Owner of vessel.
Jolee.....	KUVI	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Jomar.....	KUGT	300, 600	PG-X	-----do-----	Do.
Jonancy.....	KSEU	300, 450, 600	PG-X	Pocahontas Fuel Co.....	Do.
Joseph M. Cudahy.....	KDMT	300, 600	PG-X	Sinclair Navigation Co.....	Do.
Joseph R. Parrott.....	KJP	300, 450, 600	PG-X	Florida East Coast Car Ferry Co.....	Do.
Joseph Seep.....	KDJV	300, 600	PG-X	Standard Oil Co. of N. J.....	Do.
Josiah Macy.....	KEX	300, 450, 600	PG-X	-----do-----	Do.
J. R. Gordon.....	KOML	300, 600	PG-X	Union Sulphur Co.....	S. O. R. S.
Julia Luckenbach.....	KGZ	300, 450, 525, 600	PG-X	Luckenbach S. S. Co.....	Do.
Juneau.....	WAM	300, 600	PG-X	Alaska S. S. Co.....	Do.
Juniata.....	KQJ	300, 450, 600	PG-N	Merchants & Miners Trans- portation Co.....	I. W. T. Co.
Juniata.....	WCB	300, 450, 600	PG-N	Great Lakes Transit Corp.....	R. C. of A.
Juvigny.....	KUQX	300, 600	PG-X	Independent S. S. Co.....	Owner of vessel.
J. W. VanDyke.....	KHR	300, 450, 600	PG-X	Atlantic Refining Co.....	R. C. of A.
Kaleen.....	KOKV	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Kamesit.....	KEDG	300, 600	PG-X	-----do-----	Owner of vessel.
Kanak.....	KOT	300, 400, 600	PG & PR-X	Alaska Packers Association.....	
Kanawha.....	KYA	300, 600	PG-X	Black Star Line.....	Do.
Katherine.....	KIZK	300, 450, 600	PG-X	Philippine Vegetable Oil Co.....	R. C. of A.
Katrina Lucken- bach.....	KWU	300, 600	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Kaweah.....	KOKL	300, 600	PG-X	U. S. S. B.....	
Kayseka.....	KOQZ	300, 600	PG-X	-----do-----	I. W. T. Co.
Kearny.....	KOPR	300, 600	PG-N	-----do-----	S. O. R. S.
Kehuku.....	KUPV	300, 450, 600	PG-X	-----do-----	
Keketticut.....	KZEA	300, 600	PG-X	-----do-----	I. W. T. Co.
Kekoskee.....	KDGY	300, 600	PG-X	-----do-----	Do.
Kennecott.....	KDPV	300, 450, 550, 600	PG-X	Alaska S. S. Co.....	Owner of vessel.
Kenowis.....	KOSV	300, 600	PG-X	-----do-----	R. C. of A.
Kentuckian.....	WKE	300, 600	PG-X	American-Hawaiian S. S. Co.....	Owner of vessel.
Keota.....	WXAU	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Keresaspa.....	KQI	300, 600	PG-X	American Ship & Com. Nav. C.	R. C. of A.
Kerhonkson.....	KUJF	300, 600	PG-X	U. S. S. B.....	Do.
Kermanshan.....	KLX	300, 450, 600	PG-X	Kerr Navigation Corp.....	Do.
Kermite.....	WMV	300, 600	PG-N	Kerr Navigation Corp.....	Do.
Kermoor.....	WJB	300, 600	PG-X	Merchants & Miners Trans. Co.	I. W. T. Co.
Kershaw.....	KQK	300, 450, 600	PG-N	U. S. S. B.....	S. O. R. S.
Keshena.....	KITR	300, 600	PG-X	Alaska S. S. Co.....	Do.
Ketchikan.....	WAE	300, 600	PG-X	U. S. S. B.....	Do.
Kewanee.....	KIVC	300, 600	PG-X	-----do-----	Do.
Keystone State.....	KDSL	300, 600	PG-N	Dept. of Com., Bu. of Nav.....	Owner of vessel.
Kilkenny.....	KKI	300, 450, 600	PG-X	Luckenbach S. S. Corp.....	S. O. R. S.
K. I. Luckenbach.....	KHY	300, 600	PG-N	Andrew Hudson.....	I. W. T. Co.
Kingfisher.....	KDNJ	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Kiokee.....	KITS	300, 600	PG-X	Independent S. S. Co.....	
Kiowa.....	KDJP	300, 600	PG-X	Clyde S. S. Co.....	
Kiowa.....	KRL	300, 600	PG-X	U. S. S. B.....	Do.
Kiron.....	KIT	300, 600	PG-X	-----do-----	S. O. R. S.
Kishacoquillas.....	KIFJ	300, 600	PG-X	-----do-----	R. C. of A.
Kisnopl.....	KIJK	300, 600	PG-X	-----do-----	S. O. R. S.
Kitchi.....	KITV	300, 450, 600	PG-X	-----do-----	Do.
Kittegaun.....	KITG	300, 600	PG-X	-----do-----	Do.
Knoxville.....	KIJN	300, 600	PG-X	-----do-----	R. C. of A.
Kolda.....	KOKX	300, 600	PG-X	-----do-----	Do.
Kootenai.....	KOGF	300, 450, 600	PG-X	-----do-----	Do.
Kosciuszko.....	KZUE	300, 600	PG-X	-----do-----	Do.
K. R. Kingsbury.....	KDRE	300, 600	PG-X	Standard Oil Co. of Calif.....	Do.
Kroonland.....	KSH	300, 600	PG-N	International Mer. Marine Co.	I. W. T. Co.
Kuwa.....	WCEE	300, 400, 600	PG-X	U. S. S. B.....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Kvichak.....	WNS...	300, 400, 600	PG & PR-X	Alaska Packers Association...	Owner of vessel.
Labette.....	KIZX ..	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
勞伯... Laborer.....	KIST ..	300, 600	PG-X	Northern Transportation Co.	I. W. T. Co.
La Brea.....	WON...	300, 600, 1800	PG-X	Union Oil Co.....	F. T. Co.
Lackawanna Bridge.....	KOGC ..	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Lackawanna Valley.....	KIXD ..	300, 450, 600	PG-X	do.....	Do.
La Crosse.....	KONM ..	300, 450, 600	PG-X	do.....	Do.
Lafcomo.....	KIXK ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Agomak.....	KZEU ..	300, 600	PG-X	do.....	Do.
Lake Akkra.....	KVUE ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Allen.....	KLEI ..	300, 600	PG-X	do.....	R. C. of A.
Lake Alvarda.....	KXAA ..	300, 600	PG-X	do.....	Do.
Lake Annette.....	KKOE ..	300, 450, 600	PG-X	do.....	S. O. R. S.
Lake Arline.....	KZOE ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Arthur.....	WFL ..	300, 600	PG-X	do.....	R. C. of A.
Lake Aurice.....	KZIA ..	300, 600	PG-X	do.....	Do.
Lake Beacon.....	WTAA ..	300, 450, 600	PG-X	do.....	Do.
Lake Belmona.....	KZII ..	300, 600	PG-X	do.....	Do.
Lake Benbow.....	KVAE ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Benton.....	KSIU ..	300, 600	PG-X	do.....	R. C. of A.
Lake Berdan.....	KZEE ..	300, 600	PG-X	do.....	Do.
Lake Blanchester.....	KTIU ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Bledsoe.....	KTUE ..	300, 600	PG-X	do.....	R. C. of A.
Lake Bridge.....	KDIS ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Buckeye.....	WSEU ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Butler.....	WFN ..	300, 600	PG-N	do.....	R. C. of A.
Lake Cahoon.....	WKEE ..	300, 600	PG-X	do.....	Do.
Lake Calistoga.....	KXIU ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Callicoon.....	WNAO ..	300, 450, 600	PG-X	do.....	S. O. R. S.
Lake Canaveral.....	KIDS ..	300, 600	PG-X	do.....	Do.
Lake Candelaria.....	KIJB ..	300, 600	PG-X	do.....	Do.
Lake Cannonsburg.....	KIMV ..	300, 600	PG-X	do.....	Do.
Lake Capens.....	KLUA ..	300, 600	PG-X	do.....	R. C. of A.
Lake Cathcoon.....	WLEO ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Catherine.....	KSII ..	300, 600	PG-X	do.....	R. C. of A.
Lake Cayuga.....	KLUI ..	300, 450, 600	PG-X	do.....	Do.
Lake Charles.....	KHWH ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Charlotte.....	KQEo ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Charlottes-ville.....	WNEA ..	300, 600	PG-X	do.....	Do.
Lake Chelan.....	KQUO ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Clear.....	KLEO ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Como.....	KLIE ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Conesus.....	KSAO ..	300, 600	PG-X	do.....	R. T. of A.
Lake Copley.....	WKAU ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Crescent.....	WAP ..	300, 600	PG-X	do.....	R. C. of A.
Lake Crystal.....	KLAO ..	300, 600	PG-X	do.....	Do.
Lake Dancey.....	KZEO ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Daraga.....	KRIA ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Delancey.....	KXAE ..	300, 450, 600	PG-X	do.....	R. C. of A.
Lake Desha.....	WTAE ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Deval.....	WKEA ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Duncan.....	KSOO ..	300, 600	PG-X	do.....	R. C. of A.
Lake Dunmore.....	KDIY ..	300, 450, 600	PG-X	do.....	Do.
Lake Dymer.....	KZEI ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Eckhart.....	KSOE ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Eliko.....	KTAI ..	300, 600	PG-X	do.....	R. C. of A.
Lake Elizabeth.....	WOP ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Elkwater.....	KEPM ..	300, 600	PG-X	do.....	Do.
Lake Elkwood.....	KENP ..	300, 600	PG-X	do.....	Do.
Lake Ellendale.....	KEPN ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Ellenorah.....	KEPP ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Ellerslie.....	KEQM ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Ellicott.....	KEQN ..	300, 600	PG-X	do.....	Do.
Lake Ellijay.....	KOBL ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Ellithorpe.....	KOFP ..	300, 600	PG-X	do.....	I. W. T. Co.
Lake Ellisbury.....	KOFP ..	300, 450, 600	PG-X	do.....	R. C. of A.
Lake Ellsworth.....	KOCZ ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Elmdale.....	KOLR ..	300, 450, 600	PG-X	do.....	R. C. of A.
Lake Elmhurst.....	KOFQ ..	300, 600	PG-X	do.....	Do.
Lake Elmont.....	KOQG ..	300, 600	PG-X	do.....	S. O. R. S.
Lake Elmsford.....	KOVG ..	300, 600	PG-X	do.....	Do.
Lake Elmwood.....	KOZT ..	300, 450, 600	PG-X	do.....	Do.
Lake Elon.....	KOBZ ..	300, 300	PG-X	do.....	Do.
Lake Elpueblo.....	KOFV ..	300, 600	PG-X	do.....	R. C. of A.
Lake Elrio.....	KOKQ ..	300, 600	PG-X	do.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Elsa.....	KOSR	300, 450, 600	PG-X	U. S. S. B.....	S. O. R. S.
Lake Elsinore.....	KRII	300, 600	PG-X	.....do.....	Do.
Lake Elsmere.....	KONT	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Lake Elva.....	KUBR	300, 450, 600	PG-X	.....do.....	Do.
Lake Elwin.....	KUDM	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Lake Ennis.....	KLUO	300, 600	PG-X	.....do.....	R. C. of A.
Lake Fabius.....	KIPQ	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Fabyan.....	KINJ	300, 600	PG-X	.....do.....	Do.
Lake Fackler.....	KIQP	300, 600	PG-X	.....do.....	Do.
Lake Fagundus.....	KISN	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Fairfax.....	KIRV	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Fairlie.....	KISP	300, 600	PG-X	.....do.....	Do.
Lake Fairport.....	KOGF	300, 600	PG-X	.....do.....	Do.
Lake Falama.....	KITB	300, 600	PG-X	.....do.....	Do.
Lake Falun.....	KOTB	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Fanbush.....	KEJN	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Fandango.....	KOVL	300, 600	PG-X	.....do.....	Do.
Lake Fandon.....	KOVS	300, 600	PG-X	.....do.....	Do.
Lake Fannin.....	KECN	300, 600	PG-X	.....do.....	Do.
Lake Fanquier.....	KEKN	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Fansdale.....	KEKM	300, 600	PG-X	.....do.....	R. C. of A.
Lake Farabee.....	KEBP	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Farber.....	KIRB	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Faresman.....	KEVZ	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Farge.....	WLEA	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Faribault.....	KEDM	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Faristell.....	WLEE	300, 600	PG-X	.....do.....	Do.
Lake Fariston.....	KEDN	300, 600	PG-X	.....do.....	R. C. of A.
Lake Farley.....	KEDP	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Farlin.....	KIGM	300, 600	PG-X	.....do.....	R. C. of A.
Lake Farmingdale.....	KIPZ	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Farragut.....	KIQN	300, 600	PG-X	.....do.....	R. C. of A.
Lake Farrar.....	KISX	300, 600	PG-X	.....do.....	Do.
Lake Faulk.....	KEJP	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Favonia.....	KOJP	300, 600	PG-X	.....do.....	R. C. of A.
Lake Faxon.....	KOLJ	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Fear.....	KIVM	300, 600	PG-X	.....do.....	R. C. of A.
Lake Felden.....	KOLK	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Lake Fenn.....	KOTT	300, 600	PG-X	.....do.....	Do.
Lake Feedora.....	KUBT	300, 600	PG-X	.....do.....	Do.
Lake Fernalda.....	KOPB	300, 600	PG-X	.....do.....	R. C. of A.
Lake Fernando.....	KELM	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Fernwood.....	KDEA	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Ferrona.....	KELN	300, 450, 600	PG-X	.....do.....	Do.
Lake Festina.....	KEQP	300, 450, 600	PG-X	.....do.....	R. C. of A.
Lake Festus.....	KERM	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Fibre.....	KERN	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Fielding.....	KERP	300, 600	PG-X	.....do.....	Do.
Lake Fife.....	KFSM	300, 600	PG-X	.....do.....	Do.
Lake Figart.....	KESN	300, 600	PG-X	.....do.....	R. C. of A.
Lake Fighting.....	KESP	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Filbert.....	KONV	300, 450, 600	PG-X	.....do.....	R. C. of A.
Lake Fillion.....	KOPV	300, 600	PG-X	.....do.....	Do.
Lake Fillmore.....	KUCZ	300, 600	PG-X	.....do.....	Do.
Lake Fiscus.....	KOCG	300, 600	PG-X	.....do.....	R. C. of A.
Lake Fisher.....	KODD	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Fitch.....	KOJQ	300, 600	PG-X	.....do.....	Do.
Lake Fifthian.....	KOKZ	300, 600	PG-X	.....do.....	Do.
Lake Flag.....	KUMX	300, 450, 600	PG-X	.....do.....	R. C. of A.
Lake Flagon.....	KIXT	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Flagstaff.....	KIZM	300, 600	PG-X	.....do.....	Do.
Lake Flambeau.....	KIZN	300, 600	PG-X	.....do.....	R. C. of A.
Lake Flanders.....	KOGT	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Flatonia.....	KOGS	300, 600	PG-X	.....do.....	R. C. of A.
Lake Flattery.....	KOMG	300, 600	PG-X	.....do.....	Do.
Lake Floravista.....	KUFC	300, 450, 600	PG-X	.....do.....	Do.
Lake Florian.....	KUFD	300, 450, 600	PG-X	.....do.....	Do.
Lake Floris.....	KUFF	300, 450, 600	PG-X	.....do.....	Do.
Lake Flournoy.....	KUFG	300, 450, 600	PG-X	.....do.....	Do.
Lake Flovilla.....	KESK	300, 600	PG-X	.....do.....	Do.
Lake Fluvana.....	KMUU	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Flume.....	KEBV	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Flushing.....	WLAU	300, 600	PG-X	.....do.....	R. C. of A.
Lake Fluvana.....	KECV	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Folcroft.....	KEXL	300, 600	PG-X	.....do.....	R. C. of A.
Lake Fonda.....	KECZ	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Fondulac.....	WSEO	300, 600	PG-X	.....do.....	R. C. of A.
Lake Fontana.....	KEZD	300, 600	PG-X	.....do.....	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Fontanet.....	KEZF	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Lake Forkville.....	WLEI	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Forney.....	WBUU	300, 600	PG-X	.....do.....	R. C. of A.
Lake Forsby.....	WCUA	300, 600	PG-X	.....do.....	Do.
Lake Fossil.....	WCUE	300, 600	PG-X	.....do.....	Do.
Lake Fostoria.....	WPIO	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Fouche.....	WPIU	300, 600	PG-X	.....do.....	
Lake Foxboro.....	KESB	300, 600	PG-X	.....do.....	
Lake Foxcraft.....	KEGL	300, 600	PG-X	.....do.....	
Lake Fraichur.....	KEJG	300, 600	PG-X	.....do.....	
Lake Fraley.....	KEJJ	300, 600	PG-X	.....do.....	Do.
Lake Frances.....	KTAO	300, 600	PG-X	.....do.....	R. C. of A.
Lake Franconia.....	WCUO	300, 600	PG-X	.....do.....	
Lake Fray.....	WCUU	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Fraze.....	WDUA	300, 600	PG-X	.....do.....	R. C. of A.
Lake Freeborn.....	WDUI	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Freed.....	WDUO	300, 600	PG-X	.....do.....	R. C. of A.
Lake Freehand.....	WDUU	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Freezeout.....	WFUA	300, 600	PG-X	.....do.....	R. C. of A.
Lake Frenchton.....	WFUE	300, 600	PG-X	.....do.....	
Lake Fresco.....	WNAU	300, 450, 600	PG-X	.....do.....	Do.
Lake Friar.....	KEFN	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Frio.....	KEFP	300, 600	PG-X	.....do.....	
Lake Frohna.....	KEGR	300, 450, 600	PG-X	.....do.....	Do.
Lake Frolon.....	KEGN	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Frugality.....	KEGP	300, 600	PG-X	.....do.....	R. C. of A.
Lake Frumet.....	KIRJ	300, 600	PG-X	.....do.....	Do.
Lake Fugard.....	WLEU	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Lake Furley.....	WMAA	300, 600	PG-X	.....do.....	Do.
Lake Furlough.....	KEKP	300, 600	PG-X	.....do.....	R. C. of A.
Lake Furnas.....	KUTV	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Gadsden.....	KITP	300, 600	PG-X	.....do.....	R. C. of A.
Lake Gaither.....	KOJZ	300, 600	PG-X	.....do.....	R. C. of A.
Lake Gakona.....	KVOU	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Galata.....	KOJJ	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Galera.....	KXAI	300, 600	PG-X	.....do.....	R. C. of A.
Lake Galewood.....	KOJX	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Galien.....	KOJT	300, 450, 600	PG-X	.....do.....	Do.
Lake Galisteo.....	KUGL	300, 450, 600	PG-X	.....do.....	Do.
Lake Ganado.....	KUMB	300, 600	PG-X	.....do.....	
Lake Gano.....	KDGR	300, 600	PG-X	.....do.....	R. C. of A.
Lake Gardner.....	KXEO	300, 600	PG-X	.....do.....	Do.
Lake Garza.....	KVOE	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Gaspar.....	KVOI	300, 450, 600	PG-X	.....do.....	R. C. of A.
Lake Gatun.....	KDKP	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Gazette.....	KIPN	300, 600	PG-X	.....do.....	R. C. of A.
Lake Gebhart.....	KOGV	300, 450, 600	PG-X	.....do.....	
Lake Gedney.....	KVUU	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Lake Geneva.....	KXUA	300, 600	PG-X	.....do.....	R. C. of A.
Lake George.....	KDIZ	300, 600	PG-X	.....do.....	Do.
Lake Gera.....	KOKS	300, 600	PG-X	.....do.....	Do.
Lake Gert.....	KOMB	300, 600	PG-X	.....do.....	Do.
Lake Getaway.....	KOLZ	300, 450, 600	PG-X	.....do.....	Do.
Lake Geyser.....	KULD	300, 600	PG-X	.....do.....	Do.
Lake Giddings.....	KUCR	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Gilboa.....	KEZJ	300, 600	PG-X	.....do.....	R. C. of A.
Lake Gilpen.....	KEZK	300, 600	PG-X	.....do.....	Do.
Lake Gulta.....	KEZL	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Giftedge.....	KEBM	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Girardeau.....	KOCS	300, 600	PG-X	.....do.....	R. C. of A.
Lake Girth.....	KEBN	300, 600	PG-X	.....do.....	Do.
Lake Gitano.....	KECM	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Glasco.....	KINK	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Glaucus.....	KUMV	300, 600	PG-X	.....do.....	R. C. of A.
Lake Glebe.....	KIBB	300, 600	PG-X	.....do.....	Do.
Lake Glencoe.....	KIGB	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Gorin.....	WRIE	300, 600	PG-X	.....do.....	Do.
Lake Gormanian.....	WVIA	300, 600	PG-X	.....do.....	Do.
Lake Govan.....	WVIU	300, 600	PG-X	.....do.....	Do.
Lake Gradan.....	WSUU	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Grainger.....	KEJK	300, 600	PG-X	.....do.....	R. C. of A.
Lake Gramma.....	KEJL	300, 450, 600	PG-X	.....do.....	Do.
Lake Grampian.....	KEKG	300, 600	PG-X	.....do.....	Do.
Lake Grampus.....	KEKJ	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Granby.....	KIDB	300, 600	PG-X	.....do.....	Do.
Lake Grandon.....	WLAI	300, 600	PG-X	.....do.....	Do.
Lake Graphite.....	WZOA	300, 600	PG-X	.....do.....	R. C. of A.
Lake Gratis.....	WZOE	300, 600	PG-X	.....do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Grattan.....	WZOI	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Lake Gravella.....	WZOO	300, 600	PG-X	do	S. O. R. S.
Lake Gravett.....	WZOU	300, 600	PG-X	do	R. C. of A.
Lake Gravity.....	WBUA	300, 600	PG-X	do	Do.
Lake Greenbrier.....	WBUE	300, 600	PG-X	do	S. O. R. S.
Lake Gretna.....	WBUI	300, 600	PG-X	do	R. C. of A.
Lake Grogan.....	WBUO	300, 600	PG-X	do	Do.
Lake Gunnii.....	KUNC	300, 600	PG-X	do	Do.
Lake Haresti.....	KUGN	300, 450, 600	PG-X	do	S. O. R. S.
Lake Harminia.....	KUNB	300, 600	PG-X	do	I. W. T. Co.
Lake Harney.....	KGOE	300, 600	PG-X	International Coal Trans. Corp.	S. O. R. S.
Lake Harris.....	KXAU	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Lake Hector.....	KUMZ	300, 450, 600	PG-X	do	R. C. of A.
Lake Helen.....	KZOI	300, 600	PG-X	do	I. W. T. Co.
Lake Hemlock.....	KLOE	300, 600	PG-X	do	R. C. of A.
Lake Hewes.....	KVUU	300, 600	PG-X	do	S. O. R. S.
Lakehurst.....	KLOI	300, 600	PG-X	do	Do.
Lake Ikatani.....	KUCM	300, 450, 600	PG-X	do	Do.
Lake Inaha.....	KEFM	300, 600	PG-X	do	R. C. of A.
Lake Indian.....	KZOO	300, 600	PG-X	do	S. O. R. S.
Lake Inglenook.....	KOBT	300, 600	PG-X	do	I. W. T. Co.
Lake Janet.....	KFD	300, 600	PG-X	do	S. O. R. S.
Lake Jessup.....	KHVV	300, 600	PG-X	International Coal Trans. Corp.	I. W. T. Co.
Lake Kyttle.....	WCOU	300, 600	PG-X	U. S. S. B.	Do.
Lakeland.....	WDL	300, 600	PG-X	Tri-State S. S. Co.	R. C. of A.
Lake Larga.....	KMUU	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Lake Lasang.....	KMUA	300, 600	PG-X	do	Do.
Lake Ledan.....	KTUA	300, 600	PG-X	do	I. W. T. Co.
Lake Lemando.....	WCIO	300, 600	PG-X	do	S. O. R. S.
Lake Lesa.....	KXOU	300, 600	PG-X	do	Do.
Lake Licoco.....	WTAO	300, 600	PG-X	do	R. C. of A.
Lake Lida.....	KLOO	300, 600	PG-X	do	Do.
Lake Lilicusun.....	KZIO	300, 600	PG-X	do	R. C. of A.
Lake Lillian.....	KXUI	300, 600	PG-X	International Coal Trans. Corp.	Do.
Lake Linden.....	KZAE	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Lake Louise.....	KZUU	300, 600	PG-X	do	R. C. of A.
Lake Marion.....	KXEE	300, 600	PG-X	do	Do.
Lake Markham.....	KTOU	300, 600	PG-X	do	I. W. T. Co.
Lake Mary.....	KREO	300, 600	PG-X	do	R. C. of A.
Lake Maffato.....	WTAI	300, 600	PG-X	do	Do.
Lake Maurepas.....	KLEA	300, 600	PG-X	do	I. W. T. Co.
Lake Medford.....	KZOA	300, 450, 600	PG-X	do	R. C. of A.
Lake Miraflores.....	KDNR	300, 600	PG-X	do	Do.
Lake Narka.....	KTOA	300, 600	PG-X	do	I. W. T. Co.
Lake Ogden.....	KHUU	300, 600	PG-X	do	R. C. of A.
Lake Onawa.....	KOJM	300, 600	PG-X	do	I. W. T. Co.
Lake Ontario.....	KDIR	300, 600	PG-X	do	R. C. of A.
Lake Orange.....	KZOU	300, 600	PG-X	do	Do.
Lake Ormoc.....	KVUA	300, 600	PG-X	do	R. C. of A.
Lake Osweya.....	KVAA	300, 450, 600	PG-X	do	I. W. T. Co.
Lake Otisco.....	KLIA	300, 600	PG-X	International Coal Trans. Corp.	R. C. of A.
Lake Otsquago.....	KXAO	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Lake Pachuta.....	KTUU	300, 600	PG-X	do	Do.
Lake Pearl.....	KVIO	300, 600	PG-X	do	R. C. of A.
Lake Pepin.....	KTUI	300, 600	PG-X	do	Do.
Lake Pewaukee.....	KLEU	300, 600	PG-X	do	I. W. T. Co.
Lake Pickaway.....	WKAO	300, 600	PG-X	do	S. O. R. S.
Lake Pleasant.....	KXEA	300, 600	PG-X	do	I. W. T. Co.
Lake Saba.....	KOS	300, 600	PG-X	do	R. C. of A.
Lake Sanford.....	KXEI	300, 600	PG-X	do	Do.
Lake Sapor.....	KEZB	300, 600	PG-X	do	I. W. T. Co.
Lake Savus.....	KOCB	300, 600	PG-X	do	R. C. of A.
Lake Sebago.....	KLUE	300, 600	PG-X	do	I. W. T. Co.
Lake Shawano.....	KLOU	300, 600	PG-X	do	R. C. of A.
Lakeshore.....	KDIV	300, 600	PG-X	do	I. W. T. Co.
Lake Silver.....	KHE	300, 600	PG-X	do	S. O. R. S.
Lake Singara.....	KITQ	300, 600	PG-X	do	Do.
Lake Slavi.....	KOTJ	300, 600	PG-X	do	R. C. of A.
Lake Stirling.....	KDJF	300, 600	PG-X	do	I. W. T. Co.
Lake Strabo.....	KEBR	300, 600	PG-X	do	R. C. of A.
Lake St. Clair.....	WNL	300, 600	PG-X	do	I. W. T. Co.
Lake St. Regis.....	KLEE	300, 600	PG-X	do	S. O. R. S.
Lake Strymon.....	KONS	300, 600	PG-X	do	Do.
Lake Sunapee.....	KLIU	300, 600	PG-X	do	R. C. of A.
Lake Superior.....	KDIT	300, 600	PG-X	do	S. O. R. S.
Lake Tippah.....	KOVF	300, 600	PG-X	do	I. W. T. Co.
Lake Traverse.....	KDJD	300, 600	PG-X	do	Do.
Lake Treba.....	KOSQ	300, 600	PG-X	do	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Tulare.....	WDX	300, 600	PG-X	International Coal Trans. Corp.	I. W. T. Co.
Lakeview.....	KDIX	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Lakeville.....	KXEU	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Washburn.....	KREI	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Weir.....	KDIW	300, 600	PG-X	.....do.....	R. C. of A.
Lake Wilson.....	KZAO	300, 600	PG-X	.....do.....	Do.
Lake Wimico.....	KSOI	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Lake Winona.....	KLAU	300, 600	PG-X	.....do.....	R. C. of A.
Lake Winoski.....	KZIE	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Winthrop.....	KZAI	300, 600	PG-X	.....do.....	Do.
Lakewood.....	KDJC	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Yahara.....	KZAU	300, 450, 600	PG-X	.....do.....	R. C. of A.
Lake Yelverton.....	KVOO	300, 600	PG-X	.....do.....	I. W. T. Co.
Lake Yemassee.....	KTOO	300, 600	PG-X	.....do.....	Do.
Lake Ypsilanti.....	WKEI	300, 600	PG-X	.....do.....	S. O. R. S.
Lake Zaliski.....	WKAJ	300, 600	PG-X	.....do.....	R. C. of A.
Lancaster.....	KQUE	300, 600	PG-X	Imperial Shipping Corp.	R. C. of A.
Lampasas.....	KEP	300, 450, 600	PG-N	Mallory S. S. Co.....	I. W. T. Co.
Lansdowne.....	KONP	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Lansing.....	WTC	300, 600, 1, 800	PG-X	Union S. S. Co.....	F. T. Co.
La Placentia.....	KDPX	300, 600	PG-X	Union Oil Co.....	R. C. of A.
Laramie.....	KUBC	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Las Vegas.....	KUQM	300, 450, 600	PG-X	.....do.....	R. C. of A.
Latham.....	KUKR	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Latouche.....	WAI	300, 600	PG-X	Alaska S. S. Co.....	I. W. T. Co.
Laurel.....	WTUE	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Lavada.....	KDFV	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Lebanon.....	KIXL	300, 600	PG-X	.....do.....	R. C. of A.
Lehigh.....	KINM	300, 600	PG-X	.....do.....	I. W. T. Co.
Lenape.....	KVLF	300, 450, 600	PG-N	Clyde S. S. Co.....	Owner of vessel.
Levi G. Burgess.....	WOX	300, 600	PG-X	Alaska Portland Packers Assn.	T. R. T. Co.
Levisa.....	KDL	300, 600	PG-X	United Fruit Co.....	Owner of vessel.
Lewis K. Thurlow.....	KXY	300, 450, 600	PG-X	Crowell & Thurlow S. S. Co.....	S. O. R. S.
Lewis Luckenbach.....	WFOE	300, 600	PG-N	Luckenbach S. S. Co.....	I. R. T. Co.
Lexington.....	KNB	300, 550, 600	PG-N	Colonial Navigation Co.....	S. O. R. S.
Libby Maine.....	KDV	300, 450, 535, 600	PG-X	Libby, McNeill & Libby.....	Do.
Liberator.....	KDTA	300, 600	PG-X	Lybeck Ocean Harvester Co.....	Do.
Liberator.....	KRIU	300, 600	PG-N	U. S. S. B.....	Do.
Liberty.....	WCOO	300, 600	PG-N	.....do.....	R. C. of A.
Liberty Bell.....	KUJX	300, 600	PG-X	.....do.....	S. O. R. S.
Liberty Land.....	KISS	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Liberty Minquas.....	KUBJ	300, 450, 600	PG-X	General Petroleum Co.....	Do.
Liebre.....	KDPG	300, 450, 600	PG-X	Texas Co.....	Do.
Lightburne.....	KIVF	300, 600	PG-X	Gulf Refining Co.....	Do.
Ligonier.....	KTD	300, 600	PG-X	U. S. Mexico Oil Corp.....	Do.
Lilmae.....	KDHU	300, 600	PG-X	United Fruit Co.....	T. R. T. Co.
Lio.....	KDR	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Lithopolis.....	WQEA	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Livingstone Roe.....	KDDO	300, 600	PG-X	S. O. Co. of N. J.....	Do.
L. J. Drake.....	WZAA	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Lockport.....	KIXM	300, 600	PG-X	.....do.....	R. C. of A.
Loki.....	KDGD	300, 600	PG-X	.....do.....	Do.
Lorain.....	KIFZ	300, 450, 600	PG-X	.....do.....	Do.
Lordship Manor.....	KIXN	300, 600	PG-X	.....do.....	Do.
Loretta.....	KUXF	300, 450, 600	PG-X	.....do.....	Do.
Lorraine Cross.....	KDDE	300, 450, 600	PG-X	.....do.....	Do.
Los Angeles.....	WOL	300, 600, 1, 800	PG-X	Union Oil Co.....	F. T. Co.
Louise.....	KUKN	300, 600	PG-X	E. D. Burge.....	Owner of vessel.
Louisiana.....	KUL	300, 450, 600	PG-X	Texas Co.....	I. W. T. Co.
Louisville Bridge.....	KIDP	300, 600	PG-X	U. S. S. B.....	Do.
Luella.....	KLAA	300, 600	PG-X	.....do.....	Do.
Lurline.....	WML	300, 450, 600	PG-N	Matson Navigation Co.....	R. C. of A.
Luxpalle.....	KIPV	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Luzon.....	KDRU	300, 600	PG-X	Fernandez Hermanos.....	R. C. of A.
Lycoming.....	KOMK	300, 600	PG-X	U. S. S. B.....	Do.
Lydia.....	WROI	300, 600	PG-X	Lydia S. S. Co.....	F. T. Co.
Lyman Stewart.....	WTL	300, 600, 1800	PG-X	Union Oil Co.....	Owner of vessel.
Lyndonia.....	KULZ	300, 600	PG-X	C. H. K. Curtis.....	R. C. of A.
M. A. Bradley.....	WQH	300, 600	PG-X	Harvey H. Brown & Co.....	Do.
Macomet.....	KORC	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Maddequet.....	KUGZ	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Magmeric.....	KOJS	300, 600	PG-X	.....do.....	I. W. T. Co.
Magunkook.....	WJUO	300, 600	PG-N	.....do.....	Do.
Mahanna.....	KKP	300, 600	PG-X	.....do.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Maiden Creek.....	KIPX	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Maine.....	KUQ	300, 450, 600	PG-X	.....do.....	Do.
Maitland No. 1.....	WLE	300, 600	PG-X	Toronto, Hamilton & Buffalo Navigation Co.	Do.
Major Wheeler.....	WFI	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Malden.....	KZV	300, 450, 600	PG-X	New England Fuel & Transportation Co.	R. C. of A.
Manatawny.....	KDFM	300, 600	PG-X	U. S. S. B.....	
Manatee.....	KURN	300, 450, 600	PG-X	.....do.....	Do.
Manchuria.....	WWE	300, 600	PG-N	Atlantic Transportation Co.....	I. W. T. Co.
Mangore.....	KHP	300, 450, 600	PG-X	Guaranty Trust Co.....	R. C. of A.
Manham.....	KORS	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Manitou.....	WFW	300, 600	PG-X	Northern Mich. Transpn. Co.....	R. C. of A.
Manitowoc.....	KRQ	300, 450, 525, 600	PG-X	American Transatlantic Co.....	Owner of vessel.
Manoa.....	KOQ	300, 600	PG-N	American Interlake Co.....	Do.
Manukai.....	KDSF	300, 600	PG-X	Matson Navigation Co.....	R. C. of A.
Manulani.....	KDRQ	300, 600	PG-N	.....do.....	Do.
Maquan.....	KOVD	300, 450, 600	PG-X	.....do.....	Do.
Maracaibo.....	KDM	300, 450, 600	PG-N	Atlantic & Caribbean St. N. Co.....	R. C. of A.
Maracay.....	KDKO	300, 450, 600	PG-X	C. K. MacFadden.....	Owner of vessel.
Margaret.....	KUQS	300, 600	PG-N	Red Salmon Canning Co.....	Do.
Margaret.....	KZO	300, 600	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Margus.....	KONG	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Marica.....	KNK	300, 600	PG-X	.....do.....	S. O. R. S.
Marina.....	KIVD	300, 450, 600	PG-N	Bull-Insular S. S. Co.....	R. C. of A.
Mariners Harbor.....	KKEU	300, 600	PG-X	U. S. S. B.....	Do.
Marne.....	KDLV	300, 600	PG-N	.....do.....	Do.
Marquette and Bessemer No. 2.....	KEDJ	300, 450, 600	PG-X	.....do.....	
Marsodak.....	KOCM	300, 600	PG-X	Marquette & Bessemer Dock & Navigation Co.	Owner of vessel.
Martha Washington.....	KUQF	300, 600	PG-N	.....do.....	S. O. R. S.
Maruba.....	WZEE	300, 600	PG-X	.....do.....	Do.
Mary.....	KTOE	300, 600	PG-X	Inter-Coast S. S. Co.....	I. W. T. Co.
Mary Luckenbach.....	KDLX	300, 600	PG-X	U. S. S. B.....	Do.
Masca.....	KIBL	300, 600	PG-X	Luckenbach Terminals (Inc.)	R. C. of A.
Mascotte.....	KOW	300, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Mason City.....	KUGX	300, 600	PG-X	Peninsular & Occid. S. S. Co.....	R. C. of A.
Massick.....	KOPF	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Massillon Bridge.....	KONJ	300, 600	PG-X	.....do.....	Do.
Masuda.....	KMII	300, 600	PG-X	.....do.....	I. W. T. Co.
Matanzas.....	WFUE	300, 450, 600	PG-X	New York & Cuba Mail S. S. Co.....	S. O. R. S.
Matinicock.....	KID	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	I. W. T. Co.
Matsonia.....	WMP	300, 450, 600	PG-N	Matson Navigation Co.....	R. C. of A.
Mattole.....	KUSV	300, 600	PG-N	U. S. S. B.....	Do.
Mauban.....	KRAE	300, 600	P-X	Compania de Tabocas del Filt.	Owner of vessel.
Maude F.....	KDBK	300, 600	PG-X	E. D. Burge.....	R. C. of A.
Maui.....	WMR	300, 450, 600	PG-N	Matson Navigation Co.....	Do.
Mauna Kea.....	KDPD	300, 600	PG-X	Inter-Island Navigation Co.....	I. W. T. Co.
Mazama.....	KNUO	300, 600	PG-X	Mazama S. S. Co.....	
McClellan.....	KYF	300, 600	PG-X	U. S. S. B.....	
McCreary County.....	KOQP	300, 600	PG-X	.....do.....	Do.
McKeesport.....	KEXB	300, 600	PG-N	.....do.....	Do.
Meanticut.....	KDQH	300, 600	PG-X	.....do.....	S. O. R. S.
Medina.....	KEI	300, 450, 600	PG-X	Mallory S. S. Co.....	I. W. T. Co.
Medon.....	KDID	300, 600	PG-X	U. S. S. B.....	
Mehanno.....	KUDJ	300, 600	PG-X	.....do.....	R. C. of A.
Melrose.....	KZW	300, 600	PG-X	New Eng. Fuel & Trans. Co.....	Do.
Memnon.....	KDMH	300, 600	PG-X	U. S. S. B.....	
Menominee.....	KODL	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Mercer.....	KEPF	300, 450, 600	PG-X	.....do.....	R. C. of A.
Mercer Victory.....	KIVG	300, 600	PG-X	.....do.....	I. W. T. Co.
Meriden.....	KILP	300, 476, 600	PG-X	General S. S. Corp.....	
Merrimack.....	KQMP	300, 450, 600	PG-N	Merchants & Miners Trans. Co.....	
Merry Mount.....	KOGX	300, 450, 600	PG-X	U. S. S. B.....	
Metapan.....	KLF	300, 600	PG-N	United Fruit Co.....	S. O. R. S.
Meton.....	KDBM	300, 600	PG-X	U. S. S. B.....	T. R. T. Co.
Mevania.....	KDCU	300, 600, 1800	PG-X	.....do.....	S. O. R. S.
Mexican.....	WKL	300, 600	PG-N	American-Hawaiian S. S. Co.....	Owner of vessel.
Mexicano.....	KGM	300, 450, 600	PG-X	Pierce Oil Corp.....	R. C. of A.
Mexico.....	KWX	300, 450, 600	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Mexoil.....	WQJA	300, 600	PG-X	Pan-American Pet. & Tr. Co.....	R. C. of A.
M. F. Elliott.....	KDNK	300, 600	PG-X	Standard Oil Co.....	Do.
Miami.....	KOZ	300, 600	PG-N	Peninsular & Occident. S. S. Co.....	Do.
Middlebury.....	WZAA	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Middlesex.....	WRO	300, 600	PG-X	Coastwise Transportation Co.....	R. C. of A.
Miller County.....	KERX	300, 600	PG-X	U. S. S. B.....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Millinocket.....	KNM	300, 600	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Milwaukee.....	KEXS	300, 600	PG-X	Grand Trunk Car Ferry Line.....	R. C. of A.
Milwaukee Bridge.	KIBF	300, 450, 600	PG-X	U. S. S. B.....	Do.
Mindoro.....	KDRS			Philippine Insular Governm't.....	I. W. T. Co.
Mineola.....	KSEE	300, 450, 600	PG-X	Grae S. S. Co.....	Do.
Minnekahta.....	KDKK	300, 600	PG-N	Atlantic Transport Co.....	Do.
Minnequa.....	KIVB	300, 600	PG-X	U. S. S. B.....	Do.
Minnesota.....	WEK	300, 600	PG-X	Geo. S. Bennett.....	Do.
Minnesota.....	WMI	300, 450, 600	PG-N	Atlantic Transport Co.....	Owner of vessel.
Minnesotan.....	WKM	300, 600	PG-X	American-Hawaiian S. S. Co.....	R. C. of A.
Minnewawa.....	KOPG	300, 600	PG-X	U. S. S. B.....	Do.
Minooka.....	KOZN	300, 450, 600	PG-X	.....do.....	Do.
Miskianza.....	KOZM	300, 600	PG-X	.....do.....	Do.
Missouri.....	WFX	300, 600	PG-N	Northern Mich. Trans. Co.....	Do.
Mitchell.....	KOTF	300, 600	PG-X	U. S. S. B.....	Do.
M. J. Scanlon.....	WJAO	300, 450, 600	PG-X	.....do.....	Do.
M. M. Davis.....	KDAG	300, 450, 600	PR-X	C. E. Davis Packing Co.....	Owner of vessel.
Mobile City.....	KDCE	300, 450, 600	PG-X	U. S. Steel Products Co.....	R. C. of A.
Moffitt.....	KDME	300, 600	PG-X	U. S. S. B.....	Do.
Mohawk.....	KVM	300, 450, 600	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Mohawk.....	KYU	300, 600	P-X	Ralph E. Barry.....	Owner of vessel.
Mohegan.....	KXE	300, 550, 600	PG-X	New England S. S. Co.....	I. R. T. Co.
Mohinkis.....	KXMX	300, 550, 600	PG-N	.....do.....	Do.
Mojave.....	KUKP	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Moline.....	WJEA	300, 600	PG-X	.....do.....	Owner of vessel.
Momus.....	KEXN	300, 600	PG-X	.....do.....	R. C. of A.
Monoma.....	KKM	300, 450, 600	PG-N	Southern Pacific Co.....	Do.
Monana.....	KFEQ	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Monasses.....	KILX	300, 600	PG-X	.....do.....	Do.
Mongolia.....	WWN	300, 600	PG-N	Atlantic Transport Co.....	Do.
Monmouth.....	WXUO	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Monomac.....	KORP	300, 600	PG-X	.....do.....	I. W. T. Co.
Monroe.....	KOSF	300, 600	PG-N	.....do.....	Do.
Montague.....	KOMV	300, 600	PG-X	.....do.....	Do.
Montana.....	KOJF	300, 600	PG-N	American Transportation Co.....	Do.
Montauk.....	KIXV	300, 600	PG-N	Atlantic Transport Co.....	Do.
Montclair.....	KVII	300, 600	PG-N	U. S. S. B.....	Do.
Montebello.....	KDPR	300, 600	PG-X	Union Oil Co.....	R. C. of A.
Monterey.....	KWY	300, 450, 600	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Montfaucon.....	KUQZ	300, 600	PG-X	Independent S. S. Co.....	R. C. of A.
Montgomery.....	KIJP	300, 600	PG-X	U. S. S. B.....	Do.
Montgomery City.	KDJZ	300, 450, 600	PG-X	U. S. Steel Products Co.....	Do.
Monticello.....	WLJ	300, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Montpelier.....	WLZ	300, 600	PG-N	.....do.....	Do.
Montral.....	WEQ	300, 600	PG-X	Standard Oil Co. of N. J.....	Do.
Moonlite.....	KPL	300, 450, 600	PG-X	.....do.....	Do.
Mooseabee.....	KIKP	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Moosehausie.....	KOGD	300, 600	PG-X	.....do.....	I. W. T. Co.
Mooseitauke.....	KOKG	300, 600	PG-X	.....do.....	R. C. of A.
Mopang.....	KOPX	300, 600	PG-X	.....do.....	I. W. T. Co.
Moravivs Bridge.....	KOZG	300, 600	PG-X	.....do.....	S. O. R. S.
Morrstown.....	WGAI	300, 600	PG-N	.....do.....	Do.
Morro Castle.....	KWC	300, 450, 600	PG-N	New York & Cuba Mail S. S. Co.....	I. W. T. Co.
Mosella.....	KDCQ	300, 600, 1800	PG-X	U. S. S. B.....	S. O. R. S.
Moshico.....	KOBX	300, 600	PG-X	.....do.....	R. C. of A.
Moss Point.....	KETJ	300, 600	PG-X	.....do.....	Do.
Mount Baker.....	KYD	300, 600	PG-X	Gaston, Williams & Wigmore S. S. Corp.....	I. W. T. Co.
Mount Carroll.....	KDQT	300, 600	PG-N	Shawmut S. S. Co.....	Owner of vessel.
Mount Clay.....	KDBX	300, 450, 600, 1800	PG-X	Amer. S. & Com. Nav. Corp.....	
Mount Clinton.....	KDRV	300, 600	PG-N	Shawmut S. S. Co.....	S. O. R. S.
Mount Evans.....	KIMT	300, 600	PG-X	U. S. S. B.....	Owner of vessel.
Mount Hope.....	KOL	300	P-X	Prov., Fall River & Newpt. S. Co.....	R. C. of A.
Mount Rainier.....	WSOE	300, 600	PG-X	Gatn., Wms. & Wigmore S. S. Co.....	Do.
Mount Seward.....	WJC	300, 600	PG-X	Kerr Navigation Corp.....	I. W. T. Co.
Mount Shasta.....	WHH	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Mount Sidney.....	KQP	300, 600	PG-X	Amer. S. & Com. Nav. Corp.....	Do.
Mount Sterling.....	WGW	300, 600	PG-X	.....do.....	Do.
Mount Summit.....	WPJ	300, 600	PG-X	.....do.....	Do.
Mount Vernon.....	KDCZ	300, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Mt. Vernon Bridge.	KWA	300, 600	PG-X	.....do.....	S. O. R. S.
Mulpua.....	KIDJ	300, 600	PG-X	.....do.....	R. C. of A.
Multnomah.....	WMA	300, 600	PG-N	Multnomah S. S. Co.....	Do.
Munaires.....	WJN	300, 600	PG-X	Munson S. S. Line.....	Do.
Munalbro.....	KUX	300, 600	PG-X	.....do.....	Do.
Munamar.....	KUI	300, 450, 600	PG-N	.....do.....	Do.
Mundale.....	KUJ	300, 450, 600	PG-X	.....do.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Mundelta.....	KUF	300, 450, 600	PG-X	Munson S. S. Line.....	R. C. of A.
Munindies.....	KVE	300, 600	PG-X	.....do.....	Do.
Munisla.....	KJO	300, 450, 600	PG-X	Munisla S. S. Corp.....	Do.
Munplace.....	KUG	300, 450, 600	PG-X	Munson S. S. Line.....	Do.
Munrio.....	KVD	300, 600	PG-X	.....do.....	Do.
Munsomo.....	KUK	300, 600	PG-X	.....do.....	Do.
Munwood.....	KUH	300, 600	PG-X	.....do.....	Do.
Mur-el.....	KDMO	300, 600	PG-X	Muriel Motorship Corp.	Do.
Mursa.....	KDFT	300, 600	PG-N	U. S. S. B.	I. W. T. Co.
Muscatine.....	KJII	300, 600	PG-N	.....do.....	Owner of vessel.
Muskegon.....	KDGP	300, 600	PG-X	American Transatlantic Co.	R. C. of A.
Muskogee.....	KIB	300, 450, 600	PG-X	Standard Oil Co. of N. J.	Owner of vessel.
Mystic.....	KHZ	300, 600	PG-X	Shawmut S. S. Co.	S. O. R. S.
Naamhok.....	KDNE	300, 600, 1800	PG-X	U. S. S. B.	Do.
Nacata.....	KDMM	300, 600, 1800	PG-X	.....do.....	I. W. T. Co.
Nacogdoches.....	KKIU	300, 600	PG-N	.....do.....	Do.
Nacochee.....	KFP	300, 450, 600	PG-N	Ocean S. S. Co.	R. C. of A.
Naiwa.....	WCIU	300, 450, 600	PG-X	U. S. S. B.	Do.
Namasket.....	KDMI	300, 600	PG-X	.....do.....	Do.
Nameaug.....	KITN	300, 600	PG-X	.....do.....	I. W. T. Co.
Nanking.....	KKEE	300, 450, 600	PG-N	China Mail S. S. Co.	Do.
Nansemond.....	WQR	300, 450, 600	PG-N	U. S. S. B.	Do.
Nantahala.....	WGIE	300, 600	PG-N	.....do.....	Do.
Nantasket.....	WLIO	300, 600	PG-X	.....do.....	Do.
Nantucket.....	KQN	300, 450, 600	PG-N	Merchants & Miners Trans. Co.	S. O. R. S.
Narbo.....	KDIG	300, 600	PG-X	U. S. S. B.	Do.
Narcissus.....	KDIH	300, 600	PG-X	.....do.....	I. W. T. Co.
Nashaba.....	KDSM	300, 600	PG-X	.....do.....	Do.
Natchez.....	KDJY	300, 600	PG-X	Charles Ward Engrg. Works.	Do.
National Bridge.....	KIBG	300, 450, 600	PG-X	U. S. S. B.	I. W. T. Co.
Natirar.....	KDKM	300, 450, 300, 1800	PG-X PG-X	.....do.....	Do.
Naugus.....	KUPS	300, 450, 600	PG-X	.....do.....	R. C. of A.
Nawitka.....	KELZ	300, 600	PG-X	.....do.....	I. W. T. Co.
Neabesco.....	KEKV	300, 450, 600	PG-X	Nacirema S. S. Corp.	R. C. of A
Nedmac.....	KIQM	300, 600	PG-X	U. S. S. B.	Do.
Nelson.....	KNL	300, 450, 600	PG-X	Cuba Distilling Co.	S. O. R. S.
Nemaha.....	KUSR	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Neponset.....	WQIO	300, 600	PG-N	.....do.....	Do.
Neptune.....	KUN	300, 600	PG-X	.....do.....	I. W. T. Co.
Nesco.....	KEBT	300, 600	PG-X	.....do.....	Do.
Neshaminy.....	KILN	300, 600	PG-N	.....do.....	I. W. T. Co.
Neshobee.....	KUNK	300, 450, 600	PG-X	.....do.....	Do.
Newburgh.....	WZUE	300, 600	PG-X	.....do.....	R. C. of A.
Neuse.....	WLT	300, 450, 600	PG-N	.....do.....	Do.
New Britain.....	KIRG	300, 450, 600	PG-X	Gr. Northwestern Ship. Corp.	I. W. T. Co.
New England.....	KUCB	300, 600	PG-X	U. S. S. B.	I. R. T. Co.
New Hampshire.....	KXF	300, 550, 600	PG-N	New England S. S. Co.	Do.
New Haven.....	KXN	300, 550, 600	PG-X	.....do.....	I. W. T. Co.
New Orleans.....	KDFB	300, 450, 600	PG-X	U. S. S. B.	F. T. Co.
Newport.....	WWH	300, 600	PG-N	Pacific Mail S. S. Co.	R. C. of A.
Newton.....	KZX	300, 450, 600	PG-X	New England Fuel & Trans. Co.	Do.
New Windsor.....	KGAE	300, 600	PG-X	.....do.....	I. W. T. Co.
New York.....	KSN	300, 600	PG-N	Inter. Mercantile Marine Co.	I. W. T. Co.
New York.....	KUW	300, 450, 600	PG-X	Texas Co.	Do.
Nika.....	KOPM	300, 600	PG-X	Hodge Ship Co.	Do.
Nile.....	KOSD	300, 600	PG-X	U. S. S. B.	Do.
Nioobe.....	KDGB	300, 600	PG-X	.....do.....	R. C. of A.
Nipmuc.....	KOQX	300, 600	PG-N	.....do.....	I. W. T. Co.
Nipsic.....	KDJJ	300, 600	PG-X	Madrigal & Co.	Do.
Nishimaha.....	KEVM	300, 600	PG-X	U. S. S. B.	R. C. of A.
Nobles.....	KODB	300, 600	PG-X	.....do.....	I. W. T. Co.
Nocaluia.....	KORF	300, 600	PG-N	.....do.....	S. O. R. S.
Nockum.....	KOGJ	300, 600	PG-X	.....do.....	Do.
Noddle Island.....	KUKK	300, 600	PG-X	.....do.....	R. C. of A.
Nokatay.....	KOFC	300, 500	PG-X	.....do.....	I. W. T. Co.
Noma.....	KYQ	300, 450, 600	PG-X	Rodman Wanamaker.	Owner of vessel.
Nonantum.....	KIXP	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Nora.....	KDGZ	300, 600	PG-X	Grace S. S. Co.	R. C. of A.
Norfolk.....	WZUA	300, 600	PG-X	Coastwise Trans. Co.	Do.
Norlina.....	KJE	300, 600	PG-X	Garland S. S. Corp.	Do.
Norma.....	KEKC	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Norman Bridge.....	WIG	300, 450, 600	PG-X	Pan-Amer. Petr. & Trans. Co.	R. C. of A.
North American.....	WEN	300, 600	PG-N	Chi., Dul., & Georg. Bay S.S.Co.	I. W. T. Co.
Northern Star.....	KOKC	300, 600	PG-X	U. S. S. B.	R. C. of A.
North Land.....	KJD	300, 600	PG-N	Eastern S. S. Lines.	Do.
Northland.....	WGJ	300, 450, 600	PG-X	Atlas S. S. Co.	S. O. R. S.
North Pines.....	WZEU	300, 600	PG-X	North Pines S. S. Co.	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
North Pole .....	KELB	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Northwestern .....	WAN	300, 440, 525, 600	PG-N	Alaska S. S. Co.....	Do.
Northwestern Bridge.	KONK	300, 600	PG-X	U. S. S. B.....	R. C. of A.
North Wind.....	KYB	300, 600	P-X	Frank W. Frueauff.....	Owner of vessel.
Norumbega.....	KOZX	300, 450, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Norwood.....	WSG	300, 450	PG-X	Pacific American Fisheries.....	S. O. R. S.
Nourmahal.....	KDTI	525, 600	PG-X	Vincent Astor.....	
Nueces.....	KEH	300, 600	PG-X	Mallory S. S. Co.....	I. W. T. Co.
Nushagak.....	WNE	300, 600 300, 400, 600	PG & PR- N & X PG-X	Alaska Packers Association.....	Owner of vessel.
Nyanza.....	WJO	300, 600	PG-X	U. S. S. B.....	Moore & McCormick.
O. A. Hermanson..	WRA	300, 600	PG-X	Southern Oil & Transp. Corp.	
Oakland.....	KMOO	300, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Occidental.....	KUSJ	300, 600	PG-X	Texas S. S. Co.....	Do.
Oconee.....	KJC	300, 600	PG-X	Oconee S. S. Co.....	Do.
Ogontz.....	KINB	300, 600	PG-X	U. S. S. B.....	Do.
Ohioan.....	WKQ	300, 600	PG-X	American-Hawaiian S. S. Co.	Owner of vessel.
Ohonkara.....	KURV	300, 600	PG-X	Carl Tucker.....	Do.
Oklahoma City....	KUML	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Oldham.....	KDQG	300, 600	PG-X	do.....	Do.
Old North State..	KDHF	300, 450, 600	PG-N	do.....	R. C. of A.
Olen.....	KINR	300, 450, 600	PG-X	do.....	Do.
Oleum.....	WTD	300, 600, 1800	PG-X	Union Oil Co.	F. T. Co.
Oneco.....	KZUI	300, 600	PG-N	U. S. S. B.....	
Oneida.....	KDJO	300, 600	PG-X	Indenendent S. S. Co.	
Oneida.....	KYP	300, 600	P-X	E. C. Benedict.....	
Onekama.....	KEDK	300, 600	PG-X	U. S. S. B.....	
Oneonta.....	WPX	300, 450, 600	PG-X	Port of Portland, Oreg.	
Onondaga.....	KDJR	300, 600	PG-X	Indenendent S. S. Co.	
Ontario.....	KQO	300, 450, 600	PG-N	Merchants & Miners Trans. Co.	I. W. T. Co.
Opelika.....	KECL	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Opequan.....	KIBK	300, 600	PG-X	do.....	I. W. T. Co.
Ophis.....	KODZ	300, 600	PG-X	do.....	R. C. of A.
Orani.....	KOBD	300, 600	PG-X	do.....	Do.
Orcus.....	KISC	300, 600	PG-X	do.....	Do.
Oregon.....	WGD	300, 600	PG-X	Alaska-Pacific Navigation Co.	
Oregonian.....	WKO	300, 600	PG-X	American-Hawaiian S. S. Co.	Owner of vessel.
Orient.....	KOLC	300, 450, 600	PG-X	Orient S. S. Corp.....	R. C. of A.
Orinoco.....	KIMX	300, 600	PG-X	Orinoco S. S. Co.....	
Orion.....	WLO	300, 450, 600	PG-N	U. S. S. B.....	
Orizaba.....	KMEI	300, 600	PG-N	N. Y. & P. R. Mail S. S. Co.	S. O. R. S.
Orleans.....	KIDZ	300, 450, 600	PG-X	Orleans S. S. Corp.....	I. W. T. Co.
Oronoke.....	KUNL	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Osage.....	WJU	300, 450, 600	PG-X	do.....	Moore & McCormick.
Osakis.....	WFOI	300, 600	PG-X	do.....	R. C. of A.
Osaquimnick.....	KEVN	300, 600	PG-X	do.....	S. O. R. S.
Oswatomie.....	KEVB	300, 600	PG-X	do.....	Do.
Oscar D. Bennett..	WIV	300, 450, 600	PG-X	Pan-Amer. Pet. & Trans. Co.	R. C. of A.
Oscoda.....	KEKT	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Oshkosh.....	WFUU	300, 600	PG-X	do.....	S. O. R. S.
Oskaloosa.....	WIII	300, 600	PG-X	do.....	I. W. T. Co.
Oskawa.....	WGUA	300, 600	PG-N	do.....	Do.
Ossa.....	KUFZ	300, 450, 600	PG-X	do.....	S. O. R. S.
Ossineke.....	WTW	300, 600	PG-N	do.....	Do.
Ossining.....	KEFR	300, 600	PG-X	do.....	R. C. of A.
Oswego.....	KRK	300, 450, 600	PG-X	Union Petroleum S. S. Co.	Do.
Otho.....	KULX	300, 450, 600	PG-X	U. S. S. B.....	Do.
Otsego.....	WDG	300, 450, 600	PG-N	do.....	S. O. R. S.
Otto M. Reiss.....	WNG	300, 450, 600	PG-X	Reiss S. S. Co.....	R. C. of A.
O. T. Waring.....	KJW	300, 450, 600	PG-X	Standard Oil Co. of N. J.	Do.
Ourecq.....	KDMF	300, 600	PG-N	U. S. S. B.....	
Outagamie.....	KULS	300, 600	PG-X	Standard Oil Co.....	
Overbrook.....	KLAE	300, 600	PG-X	U. S. S. B.....	
Owego.....	KFQ	300, 450, 600	PG-X	Winett Operating Co.	
Oyaka.....	KELX	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Ozama.....	WRX	300, 600	PG-X	Atl. Gulf & West Ind. S. S. Co.	S. O. R. S.
Ozaukee.....	WXAA	300, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Ozette.....	KEVP	300, 600	PG-X	Northern Commercial Co.	Owner of vessel.
Ozmo.....	KUJL	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Pachet.....	KDCH	300, 600	PG-N	do.....	Do.
Padnay.....	KUQG	300, 600	PG-X	do.....	R. C. of A.
Pagasset.....	KDHG	300, 600	PG-N	do.....	I. W. T. Co.
Palisades.....	KOLV	300, 600	PG-N	do.....	R. C. of A.
Pallas.....	KUTJ	300, 450, 600	PG-X	do.....	I. W. T. Co.
Palo Alto.....	KDCT	300, 450, 600	PG-X	do.....	R. C. of A.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Panama.....	KMH	300, 450, 600	PG-N	Panama R. R. Co.....	Owner of vessel.
Panaman.....	WKR	300, 600	PG-X	American-Hawaiian S. S. Co.....	Do.
Pan-American.....	KUT	300, 450, 600	PG-X	Texas S. S. Co.....	R. C. of A.
Panay.....	KEMJ	300, 450, 525, 600	PG-N	Madrigal & Co.....	
Panhandle State.....	KDAR	300, 450, 600	PG-N	U. S. S. B.....	S. O. R. S.
Panoil.....	KUQC	300, 600	PG-X	Pan-Amer. Pet. & Trans. Co.....	R. C. of A.
Panola.....	WMUO	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Pansa.....	KUZN	300, 600	PG-X	do.....	
Panuco.....	KMM	300, 600	PG-X	Sinclair Navigation Co.....	R. C. of A.
Panuco.....	KWM	300, 450, 600	PG-X	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Paraguay.....	KTT	300, 600	PG-X	Sun Co.....	R. C. of A.
Paraiso.....	WRI	300, 600	PG-X	Oliver J. Olsen.....	Owner of vessel.
Parismina.....	KDG	300, 600	PG-N	United Fruit Co.....	T. R. T. Co.
Parksville.....	KIZG	300, 600	PG-X	U. S. S. B.....	
Parthian.....	WCE	300, 600	PG-X	Olympia Shipping Corp.....	Owner of vessel.
Pasadena.....	KMEEU	300, 450, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Passaic Bridge.....	KIBJ	300, 600	PG-X	do.....	
Pastores.....	KLA	300, 600	PG-N	United Fruit Co.....	T. R. T. Co.
Patrick Henry.....	KUPM	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Patrol.....	KIN	300, 400, 600	PG-N	City of N. Y., Police Dept.....	Owner of vessel.
Paul H. Harwood.....	KJIO	300, 600	PG-X	Pan-Amer. Pet. & Trans. Co.....	R. C. of A.
Paulsboro.....	KRS	300, 450, 600	PG-X	Vacuum Oil Co.....	Do.
Pawlet.....	KUBL	300, 600	PG-X	U. S. S. B.....	Do.
Pawnee.....	KDGC	300, 600	PG-X	do.....	I. W. T. Co.
Pawnee.....	WLW	300, 450, 600	PG-N	do.....	R. C. of A.
Pawtucket.....	KINZ	300, 600	PG-X	do.....	S. O. R. S.
Peacock.....	KDKY	300, 600	PG-X	do.....	Do.
Pearlton.....	KDLC	300, 600	PG-X	U. S.-Mex. Oil Corp.....	R. C. of A.
Pearl Shell.....	WIC	300, 450, 600	PG-X	Pearl Shell S. S. Co.....	Owner of vessel.
Peconic.....	KDAF	300, 450, 600	PG-X	C. E. Davis Packing Co.....	I. W. T. Co.
Peeksill.....	KOMX	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Pennant.....	KME	300, 450, 600	PG-X	Pierce Oil Corp.....	I. W. T. Co.
Pennsylvania.....	KUP	300, 450, 600	PG-X	Texas S. S. Co.....	Owner of vessel.
Pennsylvanian.....	WKP	300, 600	PG-X	American-Hawaiian S. S. Co.....	I. R. T. Co.
Pequonock.....	KXP	300, 550, 600	PG-N	New England S. S. Co.....	R. C. of A.
Pequot.....	WLX	300, 600	PG-X	U. S. S. B.....	
Peralta.....	KDMJ	300, 600	PG-X	do.....	
Pere Marquette.....	WDA	300, 600	PG-X	Pere Marquette R. R. Co.....	Do.
Pere Marquette 8.....	KINL	300, 600	PG-X	do.....	Do.
Pere Marquette 17.....	WDC	300, 600	PG-X	do.....	Do.
Pere Marquette 18.....	WDD	300, 600	PG-X	do.....	Do.
Pere Marquette 19.....	WDB	300, 600	PG-X	do.....	Do.
Pere Marquette 20.....	WDE	300, 600	PG-X	do.....	Do.
Perfection.....	KTN	300, 600	PG-X	Standard Oil Co. of N. Y.....	
Persian.....	KQX	300, 450, 600	PG-N	Mer. & Miners Trans. Co.....	I. W. T. Co.
Peter H. Crowell.....	KEXT	300, 475, 600	PG-X	Crowell & Thurlow S. S. Co.....	R. C. of A.
Peter Reiss.....	WNX	300, 600	PG-X	North American S. S. Co.....	Do.
Petroskey.....	WDH	300, 600	PG-X	Chicago & S. Haven S. S. Co.....	Do.
Philadelphia.....	KDA	300, 450, 600	PG-N	Atl. & Car. Steam Nav. Co.....	I. W. T. Co.
Philadelphia.....	KSM	300, 600	PG-N	Intl. Mercantile Marine Co.....	R. C. of A.
Philippines.....	WAV	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Philip Publicker.....	KDEW	300, 600	PG-X	Publicker Shipping Co.....	R. C. of A.
Phoenix.....	WJEQ	300, 600	PG-X	U. S. S. B.....	
Phoenix Bridge.....	WFOU	300, 600	PG-X	do.....	
Phyllis.....	KEA	300, 600	PG-X	W. R. Chamberlain.....	Do.
Pilgrim.....	KURS	300, 600	PG-N	Chit., Racine & Mil. S. S. Co.....	
Pinellas.....	KULB	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Pinthis.....	KUPC	300, 450, 600	PG-X	Sugar Products Co.....	C. & W.
Pioneer.....	KIG	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Pioneer.....	KUSL	300, 600	PG-X	Mutual Packing Co.....	Owner of vessel.
Pipstone County.....	WPN	300, 600	PG-X	Puget Sound Tug Boat Co.....	Do.
Pisco.....	KIMZ	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Pittsburgh Bridge.....	KEQV	300, 600	PG-X	do.....	R. C. of A.
P. J. Reilly.....	KUKL	300, 600	PG-X	National Oil and Trans. Co.....	C. & W.
Plainfield.....	KDMY	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Playa.....	WJEI	300, 600	PG-X	Union Oil Co.....	
Pleiades.....	KDTE	300, 600	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Plow City.....	WNP	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Plymouth.....	KUCC	300, 600	PG-X	Green Star S. S. Corp.....	R. C. of A.
Plymouth.....	KND	300, 450, 600	PG-X	New England S. S. Co.....	I. R. T. Co.
Pocahontas.....	KXH	300, 550, 600	PG-N	U. S. Mail S. S. Co.....	R. C. of A.
Point Adams.....	KDOX	300, 450, 600	PG-N	Pacific Mail S. S. Co.....	F. T. Co.
Point Arena.....	WES	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Point Bonita.....	WHP	300, 600	PG-X	Pacific Mail S. S. Co.....	F. T. Co.
Point Judith.....	WMT	300, 600	PG-X	do.....	Do.
Point Lobos.....	KPAA	300, 600	PG-X	do.....	Do.
	KJUI	300, 600	PG-X	do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Point Loma.....	WAU	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Polar Bear.....	WGOE	300, 600	PG-N	do.....	I. W. T. Co.
Polarine.....	KOI	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Polar Star.....	KSOA	300, 600	PG-N	U. S. S. B.....	Do.
Polar Star.....	KELC	300, 600	PG-N	do.....	Do.
Polybius.....	KIGL	300, 600	PG-N	do.....	I. W. T. Co.
Pomona.....	KDAT	300, 450, 600	PG-X	do.....	R. C. of A.
Ponce.....	KGP	300, 450, 600	PG-X	N. Y. & Porto Rico S. S. Co.....	I. W. T. Co.
Pontchartrain.....	KIMP	300, 600	PG-X	U. S. S. B.....	U. S. S. B.
Pontia.....	KIPC	300, 600	PG-X	do.....	Do.
Portola Plumas.....	KUMN	300, 450, 600	PG-X	do.....	Do.
Porto Rico.....	WJG	300, 600	PG-N	do.....	R. C. of A.
Portsmouth.....	KOJV	300, 600	PG-N	do.....	I. W. T. Co.
Potomac.....	KOKN	300, 450, 600	PG-N	do.....	R. C. of A.
Potter.....	KDFC	300, 600	PG-X	do.....	Do.
Poughkeepsie.....	KEZZ	300, 600	PG-X	do.....	Do.
Poznani.....	WLY	300, 450, 600	PG-N	Polish-American Navgn. Corp.....	R. C. of A.
President.....	WGP	300, 450, 600	PG-N	Pacific S. S. Co.....	Do.
Princess Matoka.....	WLS	300, 450, 600	PG-N	U. S. S. B.....	Do.
Princeton.....	KST	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	Do.
Priscilla.....	KXI	300, 550, 600	PG-N	New England S. S. Co.....	I. R. T. Co.
Proctor.....	KEPQ	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Providence.....	KXJ	300, 550, 600	PG-N	New England S. S. Co.....	I. R. T. Co.
Provincetown.....	KDFE	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
Prusa.....	KELQ	300, 600	PG-X	do.....	I. W. T. Co.
Puente.....	KDSS	300, 600	PG-X	Union Oil Co.....	R. C. of A.
Puget Sound.....	WER	300, 600	PG-N	U. S. S. B.....	Do.
Pulaski.....	KUQL	300, 600	PG-X	do.....	Do.
Puritan.....	WDU	300, 600	PG-X	Chi., Rac. & Mil. Line.....	I. R. T. Co.
Putnam.....	KIXQ	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Pylos.....	KULQ	300, 450, 600	PG-X	do.....	I. W. T. Co.
Pyramus.....	KIPL	300, 600	PG-X	do.....	Do.
Python.....	WNIO	300, 600	PG-X	do.....	S. O. R. S.
Quaker City.....	KOZL	300, 600	PG-X	do.....	R. C. of A.
Quabbin.....	KUJZ	300, 450, 600	PG-X	do.....	I. W. T. Co.
Quantico.....	KQQ	300, 450, 600	PG-X	Mer. & Min. Transp. Co.....	R. C. of A.
Queen.....	WGX	300, 450, 600	PG-N	Pacific S. S. Co.....	Owner of vessel.
Queen II.....	WOY	400	P-X	Central Ill. Pub. Serv. Co.....	S. O. R. S.
Quillwark.....	KUZM	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Quinault.....	KDND	300, 600	PG-X	W. H. Wood.....	S. O. R. S.
Quinnipiac.....	KOQT	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Quistconk.....	WREI	300, 600	PG-X	do.....	I. W. T. Co.
Quittacas.....	WRUO	300, 600	PG-X	do.....	S. O. R. S.
Radiant.....	KTR	300, 450, 600	PG-X	Standard Oil Co. of N. Y.....	R. C. of A.
Radnor.....	KJUE	300, 600	PG-N	U. S. S. B.....	Do.
Rainier.....	WRZ	300, 600	PG-X	Atlas S. S. Co.....	S. O. R. S.
Rajah.....	WAO	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Ransom B. Fuller.....	KRF	300, 600	PG-X	Eastern S. S. Lines.....	Do.
Rapidan.....	KOSG	300, 600	PG-X	U. S. S. B.....	Do.
Rappahannock.....	WQQ	300, 600	PG-N	do.....	Do.
Rayo.....	KTL	300, 450, 600	PG-X	Standard Oil Co. of N. Y.....	I. W. T. Co.
Reaper.....	KDLG	300, 600	PG-X	Texas S. S. Co.....	R. C. of A.
Red Cloud.....	WJEE	300, 600	PG-X	Red Cloud S. S. Co.....	S. O. R. S.
Red Hook.....	KDDA	300, 450, 525, 600	PR-X	Todd Shipbuilding Co.,	R. C. of A.
Red Mountain.....	KOTQ	300, 450, 600	PG-X	U. S. S. B.....	Owner of vessel.
Redondo.....	KYT	300, 476, 600	PG-N	Redondo S. S. Co.....	R. C. of A.
Redondo.....	WBM	300, 600	PG-X	Alaska S. S. Co.....	R. C. of A.
Redwood.....	WSD	300, 450, 525, 600	PG-N & X	Pacific American Fisheries Co.	S. O. R. S.
Relay.....	KVZ	300, 600	P-X	Mexican Telegraph Co.....	Owner of vessel.
Relief.....	KRJ	300, 450, 600	PG-X	M. & C. Der. & Wreck. Co.....	S. O. R. S.
Remlik III.....	KZR	300, 600	PG-X	Willis S. Kilmer.....	Owner of vessel.
Remus.....	KEBX	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Republic.....	WSU	300, 600	PG-X	Chile S. S. Co.....	C. & W.
Rescue.....	KRP	300, 450, 600	PG-X	M. & C. Der. & Wreck. Co.....	S. O. R. S.
Resolute.....	KRM	300, 600	PG-X	do.....	Owner of vessel.
Restorer.....	WIU	300, 450, 600	P-N	Commercial Pacific Cable Co.....	R. C. of A.
Reuce.....	WSR	300, 525, 600	PG-X	Columbia River Packers Ass'n.	Owner of vessel.
Richard J. Reiss.....	WNK	300, 600	PG-X	Reiss S. S. Co.....	R. C. of A.
Richard Peck.....	KXR	300, 450, 600	PG-X	New England S. S. Co.....	I. R. T. Co.
Richconal.....	KUTX	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Richmond.....	KDOQ	300, 450, 600	PG-X	Aiken Towboat Co.....	S. O. R. S.
Richmond.....	WTR	300, 600	PG-X	Standard Oil Co. of Calif.	R. C. of A.
Rio Grande.....	KEG	300, 600	PG-X	Mallory S. S. Co.....	I. W. T. Co.
Ripon.....	KUGM	300, 450, 600	PG-X	U. S. S. B.....	S. O. R. S.
Riverside Bridge.....	KUCD	300, 600	PG-X	do.....	I. W. T. Co.
R. J. Hanna.....	KDRD	300, 600	PG-X	Standard Oil Co. of Calif.	R. C. of A.
Roanoke.....	KOXX	300, 600	PG-X	Texas S. S. Co.....	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Robert C. Sudden.	KDQR	300, 600	PG-X	Thomas Crowley.....	
Robert M. Thompson.	KNW	300, 600	PG-X	American Transportation Co. ....	
Robert P. Clark.	KTH	300, 450, 600	PG-X	Gulf Refining Co. ....	I. W. T. Co..
Robin Adair.	KOVM	300, 440, 525, 600	PG-X	Seas Shipping Co. ....	S. O. R. S.
Robin Goodfellow.	KUBN	300, 440, 525, 600	PG-X	Robbin S. S. Line. ....	Do.
Robin Gray.	KOXT	300, 440, 525, 600	PG-X	....do. ....	Do.
Robin Hood.	KOTM	300, 440, 525, 600	PG-X	Seas Shipping Co. ....	Do.
Rochester.	KUTZ	300, 600	PG-X	Vacuum Oil Co. ....	R. C. of A.
Rockaway Park.	KIZZ	300, 600	PG-X	U. S. S. B. ....	S. O. R. S.
Rock Island.	KIND	300, 600	PG-X	....do. ....	R. C. of A.
Rockport.	KOZD	300, 450, 600	PG-X	....do. ....	S. O. R. S.
Rodman Swift.	KDKQ	200, 300, 600	PR-X	Submarine Signal Co. ....	Owner of vessel.
Romagne.	KDJX	300, 600	PG-X	Independent S. S. Co. ....	Do.
Romulus.	KIDR	300, 600	PG-X	U. S. S. B. ....	R. C. of A.
Rose City.	WWR	300, 600	PG-N	San Francisco & Portland S. S. Co. ....	R. C. of A.
Rose Mahoney.	KSAE	300, 600	PG-X	Andrew F. Mahoney. ....	Do.
Rotarian.	KDCF	300, 600	PG-X	U. S. S. B. ....	Do.
Royal Arrow.	KSW	300, 450, 600	PG-X	Standard Transportation Co. ....	Do.
Ruby.	KOBC	300, 600	PG-X	American Transportation Co. ....	Owner of vessel.
Rush.	WNR	300, 440, 525, 600	PG-X	Bering Sea Packing Co. ....	
Rushville.	KUDS	300, 600	PG-X	U. S. S. B. ....	S. O. R. S.
Ruth.	KZC	300, 600	PG-X	A. H. Bull S. S. Co. ....	I. W. T. Co.
Ruth E. Merrill.	KQU	300, 450, 600	PG-X	Olympia Shipping Corp. ....	R. C. of A.
Sabine.	KEB	300, 450, 600	PG-N	Mallory S. S. Co. ....	I. W. T. Co.
Sabine Sun.	WLQ	300, 450, 600	PG-X	Sun Co. ....	R. C. of A.
Sabotawan.	KIJ	300, 600	PG-X	U. S. S. B. ....	S. O. R. S.
Sacandaga.	KESC	300, 600	PG-X	....do. ....	R. C. of A.
Saccarappa.	WGOI	300, 600	PG-X	Atlantic Fruit Co. ....	I. W. T. Co.
Sac City.	KEFB	300, 600	PG-X	U. S. S. B. ....	R. C. of A.
Saco.	KEPT	300, 600	PG-X	....do. ....	I. W. T. Co.
Sacramento.	KWV	300, 600	PG-X	Sacramento S. S. Co. ....	S. O. R. S.
Sagadahoc.	KTUO	300, 600	PG-X	U. S. S. B. ....	R. C. of A.
Sagaporack.	KZIU	300, 600	PG-X	....do. ....	I. W. T. Co.
Sag Harbor.	WPAAE	300, 600	PG-X	....do. ....	S. O. R. S.
Saguia.	KVO	300, 600	PG-N	....do. ....	I. W. T. Co.
Saguache.	KEKL	300, 600	PG-X	....do. ....	R. C. of A.
Sahale.	KEPR	300, 600	PG-X	....do. ....	Do.
Salaam.	KURP	300, 600	PG-X	....do. ....	I. W. T. Co.
Salaverry.	KEQX	300, 600	PG-X	....do. ....	R. C. of A.
Salem County.	KODR	300, 450, 600	PG-X	....do. ....	S. O. R. S.
Salina.	KUZQ	300, 450, 600	PG-X	....do. ....	I. W. T. Co.
Salmon.	KPOU	300, 600	PG-X	....do. ....	R. C. of A.
Saluda.	KEGQ	300, 600	PG-X	....do. ....	Do.
Salvation Lass.	KIMN	300, 600	PG-X	....do. ....	I. W. T. Co.
Samuel L. Fuller.	KDMS	300, 600	PG-X	Sinclair Navigation Corp. ....	R. C. of A.
Samuel Mitchell.	WEJ	300, 600	PG-X	Huron Transportation Co. ....	Do.
San Antonio.	KOMN	300, 600	PG-X	Adolfo Stahl. ....	Owner of vessel.
San Diego.	KUBF	300, 600	PG-X	W. H. Wood. ....	Do.
San Francisco.	KRT	300, 450, 600	PG-X	U. S. Steel Products Co. ....	R. C. of A.
Samangon.	WJAA	300, 600	PG-X	....do. ....	Do.
San Jacinto.	KES	300, 450, 600	PG-N	Mallory S. S. Co. ....	I. W. T. Co.
San Jose.	KDJ	300, 450, 600	PG-X	United Fruit Co. ....	T. R. T. Co.
San Jose.	WWL	300, 600	PG-N	Pacific Mail S. S. Co. ....	F. T. Co.
San Juan.	KGJ	300, 450, 600	PG-N	N. Y. & P. R. S. S. Co. ....	I. W. T. Co.
San Juan.	KULV	300, 450, 600	PG-	Libby, McNeill & Libby. ....	Owner of vessel.
San Juan.	WWM	300, 600	N & X	Pacific Mail S. S. Co. ....	F. T. Co.
San Lorenzo.	KEZ	300, 450, 600	PG-N	N. Y. & P. R. S. S. Co. ....	I. W. T. Co.
San Marcos.	KEK	300, 600	PG-X	Mallory S. S. Co. ....	Do.
San Mateo.	KLV	300, 600	PG-X	United Fruit Co. ....	T. R. T. Co.
San Pasqual.	KUXC	300, 600	PG-X	U. S. S. B. ....	Wireless Serv. Co.
San Ramon.	WNW	300, 600	PG-X	Mexican Fruit & S. S. Corp. ....	R. C. of A.
Santa Alicia.	WSJ	300, 450, 600	PG-X	Grace S. S. Co. ....	S. O. R. S.
Santa Ana.	WAL	300, 600	PG-	Alaska S. S. Co. ....	
Santa Ana.	WBX	300, 450, 600	N & X	Grace S. S. Co. ....	R. C. of A.
Santa Barbara.	WBW	300, 450, 600	PG-N	....do. ....	Do.
Santa Cecilia.	WBB	300, 450, 600	PG-X	Green Star S. S. Corp. ....	Do.
Santa Clara.	WBA	300, 600	PG-X	Atlantic & Pacific S. S. Co. ....	Do.
Santa Cruz.	WBD	300, 600	PG-N	....do. ....	Do.
Santa Elisa.	KIGQ	300, 450, 600	PG-N	Grace S. S. Co. ....	Do.
Santa Eulalia.	KDDY	300, 450, 600	PG-X	American & Cuban S. S. Line. ....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Santa Flavia.	KRUI.	300, 450, 600	PG-X	Grace S. S. Co.....	R. C. of A.
Santa Inez.	WSI.	300, 600	PG-X	.....do.....	Do.
Santa Isabel.	KDBV.	300, 450, 600	PG-X	American & Cuban S. S. Line.	Do.
Santa Leonora.	KIML.	300, 450, 600	PG-N	U. S. S. B.....	Do.
Santa Luisa.	KJEU.	300, 450, 600	PG-N	Grace S. S. Co.....	Do.
Santa Malta.	KIBN.	300, 600	PG-X	Atlantic & Pacific S. S. Co.....	Do.
Santa Marta.	KLG.	300, 600	PG-N	United Fruit Co.....	T. R. T. Co.
Santata.	KZS.	300, 600	PG-X	Osborne Howes.....	Owner of vessel.
Santa Olivia.	KQII.	300, 600	PG-X	Atlantic & Pacific S. S. Co.....	R. C. of A.
Santa Paula.	WBQ.	300, 450, 600	PG-X	Grace S. S. Co.....	Do.
Santa Rita.	WBR.	300, 450, 600	PG-X	.....do.....	Do.
Santa Rita.	WTG.	300, 450, 600	PG-X	Amer. Fuel Oil & Trans. Co.....	Do.
Santa Rosa.	WBO.	300, 500, 600	PG-X	Grace S. S. Co.....	Do.
Santa Rosalia.	KLO.	300, 600	PG-X	U. S. Steel Products Co.....	Do.
Santa Tecla.	KNEE.	300, 600	PG-X	Grace S. S. Co.....	Do.
Santa Teresa.	WLIA.	300, 600	PG-N	.....do.....	Do.
Santa Veronica.	KDHT.	300, 600	PG-X	Amer. & Cuban S. S. Line.....	Do.
Santiago.	KWE.	300, 450, 600	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Santore.	KDQ.	300, 600	PG-X	Guaranty Trust Co.....	R. C. of A.
Sapinero.	KESG.	300, 600	PG-X	U. S. S. B.....	Do.
Sapulpa.	KDCB.	300, 600	PG-X	.....do.....	
Sarah Weems.	WQJ.	300, 600	PG-X	Baltimore & Carolina S. S. Co.....	T. R. T. Co.
Saramacca.	KLH.	300, 600	PG-X	United Fruit Co.....	I. W. T. Co.
Sarcoxie.	WLAA.	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Satartia.	KIDC.	300, 600	PG-X	.....do.....	Do.
Satsuma.	KJI.	300, 600	PG-N	Barber & Co.....	I. W. T. Co.
Saucon.	WBK.	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Saugerties.	WAB.	300, 600	PG-X	.....do.....	I. W. T. Co.
Saugus.	KIBQ.	300, 600	PG-X	.....do.....	Do.
Sawokla.	KDBW.	300, 450, 600	PG-X	.....do.....	
Saxon.	WZEA.	300, 600	PG-X	Clinchfield Navigation Co.....	R. C. of A.
S. B. Hunt.	KIPR.	300, 600	PG-X	Standard Oil Co. of N. J.....	Do.
Scantic.	KILR.	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Schenectady.	WJIU.	300, 600	PG-X	.....do.....	R. C. of A.
Schodack.	KEVT.	300, 600	PG-X	.....do.....	Do.
Schoharie.	KEVV.	300, 600	PG-X	.....do.....	S. O. R. S.
Schoodic.	KIDQ.	300, 600	PG-X	.....do.....	I. W. T. Co.
Schroon.	KIJM.	300, 600	PG-X	.....do.....	Do.
Schuylkill Bridge.	KUKC.	300, 600	PG-X	.....do.....	S. O. R. S.
Scottsburg.	KOMM.	300, 600	PG-X	.....do.....	I. W. T. Co.
S. C. T. Dodd.	KDML.	300, 600	PG-X	Standard Oil Co. of Calif.....	R. C. of A.
Seafarer.	WPL.	.....	.....	R. Bean.....	
Sea Lion.	KDOJ.	300, 600	PG-X	Ship Ow'rs. & Merchts. Tb Co	S. O. R. S.
Sea Monarch.	KDQU.	300, 600	PG-X	.....do.....	Owner of vessel.
Sea Ranger.	KDSQ.	300, 600	PG-X	.....do.....	Do.
Sea Scout.	KDSY.	300, 600	PG-X	.....do.....	Do.
Seattle Spirit.	KISD.	300, 600	PG-X	U. S. S. B.....	
Sebonac.	KUVF.	300, 450, 600	PG-X	Thos. A. Howell.....	I. W. T. Co.
Security.	KSJ.	300, 600	PG-X	Standard Transportation Co.....	R. C. of A.
Seeadbee.	WFS.	300, 600	PG-X	Cleveland & Buffalo T. Co.....	Do.
Seekonk.	KIGF.	300, 450, 600	PG-X	U. S. S. B.....	Do.
Selma.	KUKQ.	300, 600	PG-X	.....do.....	
Selma City.	KDRJ.	300, 450, 600	PG-X	U. S. Steel Products Co.....	Do.
Seminole.	KUGP.	300, 600	PG-X	U. S. S. B.....	Do.
Senator.	WGS.	300, 600	PG-N	Pacific S. S. Co.....	Do.
Senator Bailey.	KGS.	300, 600	PG-X	Gulf Refining Co.....	I. W. T. Co.
Seneca.	KDJW.	300, 600	PG-X	West Indian Navigation Co.....	Owner of vessel.
Severance.	KXOE.	300, 600	PG-X	Union Sulphur Co.....	Do.
Sewalls Point.	KGX.	300, 450, 600	PG-N	Castner, Curran & Bullitt.....	R. C. of A.
Shannock.	KOBB.	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Sharon.	KIRK.	300, 600	PG-X	.....do.....	R. C. of A.
Shaume.	KILQ.	300, 600	PG-X	.....do.....	I. W. T. Co.
Shenandoah.	KIBD.	300, 600	PG-X	Texas Co.....	Do.
Shenango.	KTC.	300, 600	PG-X	Gulf Refining Co.....	R. C. of A.
Sherman.	KMQ.	300, 450, 600	PG-X	Sherman S. S. Co.....	I. W. T. Co.
Shickshinny.	KIZP.	300, 600	PG-X	U. S. S. B.....	
Shipping Board vessels (general call).	KSBV.	.....	.....	do.....	
Shooters Island.	KERG.	300, 450, 600	PG-X	.....do.....	R. C. of A.
Shortsville.	KIKK.	300, 600	PG-X	.....do.....	Do.
Shreveport.	WGAO.	300, 600	PG-X	.....do.....	Do.
Sialia.	WFY.	300, 450, 600	PG-X	Henry Ford.....	Owner of vessel.
Siboney.	WRN.	300, 600	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Sierra.	KRWF.	300, 600	PR-X	E. K. Wood Lumber Co.....	Owner of vessel.
Siletz.	KODG.	300, 476, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Silverado.	WRC.	300, 450, 600	PG-X	.....do.....	Do.
Silverbrook.	KIBC.	300, 600	PG-X	.....do.....	
Silver Shell.	WIA.	300, 450, 600	PG-X	Silver Shell S. S. Co.....	R. C. of A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Silver State.....	KDPA	300, 450, 600 1, 800	PG-N	U. S. S. B.....	S. O. R. S
Sinasta.....	KDAC	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Sinsinawa.....	KOJD	300, 450, 600	PG-X	.....do.....	R. C. of A.
Sioux City.....	KUGK	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Sioux Falls.....	KONN	300, 600	PG-X	.....do.....	R. C. of A.
Sir Thomas Shaughnessy.....	WFV.....	300, 600	PG-X	Jenkins S. S. Co.....	Do.
Siskiyou.....	KDAS	300, 600	PG-X	E. K. Wood Lumber Co.....	Owner of vessel.
Sixsola.....	KDS	300, 600, 1800	PG-N	United Fruit Co.....	T. R. T. Co.
Skagway.....	WAT	300, 600	PG-X	Alaska S. S. Co.....	Owner of vessel.
S. M. Fischer.....	WPH	300, 600	PG-X	Reid Towing & Wrecking Co.....	R. C. of A.
S. M. Spalding.....	WKG	300, 450, 600	PG-X	Pan-Amer. Pet. & Transp. Co.....	Do.
Snoqualmie.....	KDBO	300, 600	PG-X	U. S. S. B.....	Do.
S. O. Co. No. 91.....	WTU	300, 600	PG-X	Standard Oil Co. of Calif.....	Do.
S. O. Co. No. 93.....	WTY	300, 600	PG-X	.....do.....	Do.
S. O. Co. No. 95.....	WTZ	300, 450, 600	PG-X	.....do.....	Do.
Socony.....	KTX	300, 450, 600	PG-X	Standard Oil Co. of N. Y.....	Do.
Socony 82.....	KVAI	300, 450, 600	PG-X	.....do.....	Do.
Socony 83.....	KVAO	300, 450, 600	PG-X	.....do.....	Do.
Socony 84.....	WCOE	300, 450, 600	PG-X	.....do.....	Do.
Socony 85.....	WKAЕ	300, 450, 600	PG-X	Standard Oil Co. of N. Y.....	Do.
Socony 88.....	KRUU	300, 450, 600	PG-X	.....do.....	Do.
Socony 89.....	KSAA	300, 450, 600	PG-X	.....do.....	Do.
Socony 90.....	WTHI	300, 450, 600	PG-X	.....do.....	Do.
Socony 92.....	WCOI	300, 450, 600	PG-X	.....do.....	Do.
Socony 94.....	WTIO	300, 450, 600	PG-X	.....do.....	Do.
Solana.....	KDJQ	300, 600	PG-X	Pacific Mail S. S. Co.....	F. T. Co.
Solitaire.....	KUMT	300, 600	PG-X	Texas S. S. Co.....	I. W. T. Co.
Somerset.....	KSU	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Somme.....	KDKZ	300, 600	PG-N	U. S. S. B.....	
Sonoma.....	WHM	300, 600, 1800	PG-N	Oceanic S. S. Co.....	F. T. CO.
South American.....	WEQ	300, 600	PG-N	Chi. Du. & Georgian Bay S.S.Co.	I. W. T. CO.
South Bend.....	KEXQ	300, 600	PG-N	U. S. S. B.....	S. O. R. S.
South Pole.....	WDIA	300, 600	PG-N	.....do.....	I. W. T. CO.
Spokane.....	WGE	300, 450, 600	PG-N	Pacific S. S. Co.....	R. C. of A.
Springfield.....	KUTR	300, 600	PG-X	U. S. S. B.....	Do.
St. Anthony.....	KUBM	300, 600	PG-X	.....do.....	S. O. R. S.
St. Augustine.....	KIKJ	300, 600	PG-X	.....do.....	R. C. of A.
St. Charles.....	KOK	300, 600	PG-X	Maru Navigation Co.....	Do.
St. Johns County.....	KIKG	300, 600	PG-X	U. S. S. B.....	Do.
St. Louis.....	KDQX	300, 600	PG-X	Marietta Manufacturing Co.....	
St. Mihiel.....	KDHW	300, 600	PG-N	U. S. S. B.....	
St. Nicholas.....	WSS	300, 525, 600	PG-X	Col. River Packers Ass'n.....	Owner of vessel.
St. Paul.....	KSO	300, 600	PG-N	International Mer. Marine Co.....	I. W. T. Co.
Standard.....	KIC	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Standard.....	KXOI	300, 450, 600	PG-X	Standard Transportation Co.....	Do.
Standard II.....	KSA	300, 600	PG-X	.....do.....	Do.
Standard Arrow.....	KSV	300, 450, 600	PG-X	.....do.....	Do.
Standard Oil Co. (general call for vessels).....	KSOC				
Standtow No. 1.....	KPO	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	Do.
Standtow No. 2.....	KPK	300, 450, 600	PG-X	.....do.....	Do.
Standtug No. 1.....	KOQM	300, 450, 600	PG-X	.....do.....	Do.
Stanley.....	KISJ	300, 600	PG-X	.....do.....	S. O. R. S.
Stanley Dollar.....	WHS	300, 450, 600	PG-X	Dollar S. S. Line.....	I. W. T. Co.
Stanwood.....	KHD	300, 600	PG-X	W. R. Chamberlin.....	
Star I.....	WARIO	300, 600	PG-X	United States Whaling Co.....	Owner of vessel.
Star of Greenland.....	KERF	300, 400, 600	PG-X	Alaska Packers Assn.....	Do.
Star of Holland.....	KUGQ	300, 600	PG-X	.....do.....	Do.
Star of Lapland.....	KXOA	300, 600	PG-X	.....do.....	Do.
Starr.....	WPS	300, 600	PG-X	San Juan Fish. & Pack'ng Co.....	S. O. R. S.
State of Ohio.....	WFR	300, 600	PG-X	Cleveland & Buffalo Tran. Co.....	R. C. of A.
Steadfast.....	WDEO	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Steel Age.....	KOXX	300, 450, 600	PG-X	U. S. Steel Products Co.....	R. C. of A.
Steel Engineer.....	KDCX	300, 600	PG-N	.....do.....	Do.
Steel Exporter.....	KDDN	300, 600	PG-N	.....do.....	Do.
Steel Inventor.....	KDJL	300, 600	PG-N	.....do.....	Do.
Steelmaker.....	KOXX	300, 450, 600	PG-X	.....do.....	Do.
Steel Mariner.....	KUVK	300, 600	PG-N	.....do.....	Do.
Steel Ranger.....	KDGL	300, 450, 600	PG-X	.....do.....	Do.
Steel Trader.....	KUVL	300, 450, 600	PG-N	.....do.....	Do.
Steel Voyager.....	KUFN	300, 450, 600	PG-X	.....do.....	C. & W.
Steel Worker.....	KDBJ	300, 450, 600	PG-X	.....do.....	R. C. of A.
Stephen R. Jones.....	KXXX	300, 450, 600	PG-X	Crowell & Thurlow S. S. Co.....	Owner of vessel.
Stockton.....	KDDS	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Stonewall.....	KDOV	300, 600	PG-X	Garland S. S. Corp.....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Storm King.....	KDJM	300, 600	PG-N	U. S. S. B.....	R. C. of A.
Storm King.....	KOGM	300, 600	PG-X	Rolph Navigation & Coal Co.	Owner of vessel.
Suboatco.....	KURZ	300, 600	PG-X	Submarine Boat Corp.	R. C. of A.
Sucrosa.....	KNS	300, 450, 600	PG-X	Cuba Distilling Co. ....	Submarine Boat Corp.
Sucubaco.....	KDQL	300, 600	PG-X	.....do.....	Transmarine Corp.
Sudawsonco.....	KDFJ	300, 450, 600	PG-X	R. C. of A.	Shawmut S. S. Co. ....
Sudbury.....	KRZ	300, 450, 600	PG-X	Submarine Boat Corp.	Transmarine Corp.
Suduffico.....	KDDO	300, 600	PG-X	.....do.....	Transmarine Corp.
Sudurco.....	KDEY	300, 450, 600	PG-X	.....do.....	R. C. of A.
Suedco.....	KUSB	300, 600	PG-X	.....do.....	Do.
Suelco.....	KUZJ	300, 600	PG-X	Coastwise Transportation Co.	Do.
Suffolk.....	WRS	300, 450, 600	PG-X	Submarine Boat Corp. ....	Do.
Sugillenco.....	KDLS	300, 600	PG-X	.....do.....	Transmarine Corp.
Suholco.....	KUZF	300, 450, 600	PG-X	.....do.....	Transmarine Corp.
Sujameco.....	KDLF	300, 600	PG-X	.....do.....	R. C. of A.
Sujerseyco.....	KDNH	300, 600	PG-X	.....do.....	Do.
Sulanierco.....	KDFI	300, 450, 600	PG-X	.....do.....	Do.
Sumanco.....	KDDH	300, 600	PG-X	.....do.....	S. O. R. S.
Summerleaf.....	KUGR	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Sun.....	KTU	300, 600	PG-X	Sun Co. ....	Do.
Sunbeam.....	KODC	300, 600	PG-X	.....do.....	I. W. T. Co.
Sundance.....	KORD	300, 600	PG-X	U. S. S. B.....	Transmarine Corp.
Sunelsoco.....	KUSC	300, 450, 600	PG-X	Submarine Boat Corp. ....	Do.
Sunewarkco.....	KDNI	300, 600	PG-X	.....do.....	Do.
Sunewco.....	KDBR	300, 450, 600	PG-X	.....do.....	Do.
Sunlite.....	KPQ	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Sunoil.....	KWP	300, 450, 600	PG-X	Sun Co. ....	Do.
Sunshine.....	KOFG	300, 450, 600	PG-X	.....do.....	Do.
Sungentco.....	KDNX	300, 600	PG-X	Submarine Boat Corp. ....	Transmarine Corp.
Suphenco.....	KDRP	300, 600	PG-X	.....do.....	R. C. of A.
Suporteo.....	KUZK	300, 600	PG-X	.....do.....	Do.
Suraileo.....	KDBS	300, 600	PG-X	.....do.....	Do.
Suremico.....	KDHB	300, 600	PG-X	.....do.....	Do.
Suricheo.....	KDHA	300, 600	PG-X	.....do.....	Do.
Suricoo.....	KDPP	300, 600	PG-X	.....do.....	Transmarine Corp.
Suriname.....	KLI	300, 450, 600	PG-N	United Fruit Co. ....	T. R. T. Co.
Suruga.....	KGD	300, 450, 600	PG-X	Barber & Co. ....	R. C. of A.
Susana.....	KNX	300, 600	PG-X	F. I. A. T. Corp. ....	Do.
Susana II.....	KEMG	300, 450, 525, 600	PG-X	Madrigal & Co. ....	Owner of vessel.
Suscolanco.....	KDFK	300, 450, 600	PG-X	Submarine Boat Corp. ....	Transmarine Corp.
Sushericoo.....	KDQQ	300, 600	PG-X	.....do.....	Do.
Suspearco.....	KDPG	300, 600	PG-X	.....do.....	R. C. of A.
Susquehanna.....	KOLN	300, 450, 600	PG-N	U. S. S. B. ....	Do.
Susquehanna.....	WEM	300, 450, 600	PG-X	Susquehanna S. S. Co. ....	Transmarine Corp.
Sutermco.....	KDDI	300, 450, 600	PG-X	Submarine Boat Corp. ....	S. O. R. S.
Sutherford.....	WTJ	300, 476, 600	PG-X	U. S. S. B. ....	Do.
Sutorpeo.....	KDBQ	300, 600	PG-X	Submarine Boat Corp. ....	R. C. of A.
Sutransco.....	KUZG	300, 600	PG-X	.....do.....	I. W. T. Co.
Suwarinco.....	KDLD	300, 600	PG-X	.....do.....	R. C. of A.
Suwied.....	KOXC	300, 600	PG-X	U. S. S. B. ....	Do.
Suwordenco.....	KDLE	300, 600	PG-X	Submarine Boat Corp. ....	R. C. of A.
S. V. Harkness.....	KEU	300, 450, 600	PG-X	Standard Oil Co. of N. J.	Do.
Swift Arrow.....	KDOS	300, 600	PG-X	U. S. S. B. ....	R. C. of A.
Swifteagle.....	KDRK	300, 450, 600	PG-X	.....do.....	Do.
Swiftflight.....	KDSA	300, 450, 600	PG-X	.....do.....	Do.
Swift Scout.....	KDQV	300, 450, 600	PG-X	.....do.....	Do.
Swiftstar.....	KDPF	300, 600	PG-X	.....do.....	Do.
Swiftsure.....	KDNG	300, 450, 600	PG-X	.....do.....	Do.
Swift Wind.....	KDSI	300, 600	PG-X	.....do.....	Do.
Sylvan Arrow.....	KSX	300, 450, 600	PG-X	Standard Transportation Co.	S. O. R. S.
Syros.....	KDEC	300, 600	PG-X	U. S. S. B. ....	R. C. of A.
Tamesi.....	WTE	300, 458, 600	PG-X	Sinclair Navigation Co.	Do.
Tampa.....	KOVX	300, 450, 600	PG-X	U. S. S. B. ....	Owner of vessel.
Tampico.....	KOXR	300, 600	PG-X	Crowell & Thurlow. ....	I. W. T. Co.
Tanamo.....	KVN	300, 450, 600	PG-X	Atlantic Fruit Co. ....	R. C. of A.
Tancarville.....	KUKM	300, 600	PG-X	Philippine Vegetable Oil Co.	S. O. R. S.
Tartar.....	KEKS	300, 600	PG-X	U. S. S. B. ....	Owner of vessel.
Tasco.....	KFT	300, 600	PG-X	T. A. Scott Co. ....	I. W. T. Co.
Tashmoo.....	KOXD	300, 600	PG-X	U. S. S. B. ....	Henry C. Peterson.
Tatoosh.....	WPE	300, 600	PG-X	.....do.....	Owner of vessel.
Tecomate.....	KDST	300, 600	PG-X	Kyle & Purdy. ....	R. C. of A.
Tekoa.....	KOXF	300, 600	PG-X	U. S. S. B. ....	S. O. R. S.
Tenafly.....	KOZF	300, 600	PG-N	.....do.....	Do.
Teresa.....	WJF	300, 450, 600	PG-N	.....do.....	R. C. of A.
Terre Haute.....	KOPJ	300, 600	PG-X	American-Hawaiian S. S. Co.	Owner of vessel.
Texan.....	WKT	300, 600	PG-X	U. S. S. B. ....	R. C. of A.
Texarkana.....	KOCD	300, 600	PG-X	Texas Co. ....	I. W. T. Co.
Texas.....	KUM	300, 450, 600	PG-X	.....do.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Thala.....	KIQQ	300, 600	PG-X	U. S. S. B.....	R. C. of A.
The Angeles.....	KUJD	300, 450, 600	PG-X	do.....	Do.
The Harvester.....	WCR	300, 600	PG-X	International Harvester Co.	I. W. T. Co.
The Lambs.....	KEBZ	300, 600	PG-N	U. S. S. B.....	R. C. of A.
The Limit.....	WCV	300, 600	PG-X	Whitney Bros. Co.....	Do.
Theodore Roosevelt.....	WCT	300, 600	PG-X	Cleveland-Erie S. S. Co.....	R. C. of A.
Theodore F. Reynolds.....	KDDG	300, 600	PG-X	Steamship Theodore F. Reynolds Corp.	C. & W.
Thomas Crowley.....	KDSD	300, 600	PG-X	Andrew F. Mahony.....	R. C. of A.
Thomas H. Wheeler.....	KDOR	300, 600	PG-X	Standard Oil Co. of N. J.....	Do.
Thorobred "323".....	KYZ	300, 600	PG-X	Dutee W. Flint.....	R. C. of A.
Tidewater.....	KDT	300, 600	PG-X	John B. Paline.....	Do.
Tiger.....	KOU	300, 450, 600	PG-N	Green Star S. S. Corp.....	Do.
Tillamook.....	KIT	300, 450, 600	PG-X	Standard Transportation Co.	S. O. R. S.
Tionesta.....	WMOA	300, 600	PG-X	U. S. S. B.....	R. C. of A.
Tippecanoe.....	KUXL	300, 600	PG-N	Erie & Western Transp. Co.	S. O. R. S.
Tipton.....	WQOA	300, 600	PG-X	U. S. S. B.....	Do.
Tivives.....	KMI	300, 600	PG-N	do.....	T. R. T. Co.
Toiler.....	WTOO	300, 600	PG-X	United Fruit Co.....	I. W. T. Co.
Toledo Bridge.....	KOXG	300, 600	PG-X	U. S. S. B.....	Do.
Tollard.....	KEVX	300, 600	PG-X	do.....	I. W. T. Co.
Tolo.....	WQOI	300, 600	PG-N	do.....	Do.
Telosa.....	KDAY	300, 600	PG-X	do.....	S. O. R. S.
Tomalva.....	KDFH	300, 600	PG-X	do.....	I. W. T. Co.
Tona.....	KOJX	300, 600	PG-X	do.....	Do.
Tonesit.....	KOKK	300, 600	PG-X	do.....	S. O. R. S.
Toopi.....	KULP	300, 378, 450, 600	PG-X	do.....	Do.
Topa Topa.....	KDBB	300, 600	PG-X	do.....	Owner of vessel.
Topila.....	KKE	300, 450, 600	PG-X	Southern Pacific Co.	R. C. of A.
Tormenter.....	KFN	300, 600	PG-X	Freeport & Tampico Fuel Oil Transportation Co.	Do.
Torres.....	KKF	300, 450, 600	PG-X	Southern Pacific Co.....	Owner of vessel.
Toteeo.....	KDSU	300, 600	PG-X	Kyle & Purdy.....	Do.
Tours.....	KDNB	300, 600	PG-N	U. S. S. B.....	R. C. of A.
Transportation.....	KEJX	300, 600	PG-X	Coastwise Transportation Co.	S. O. R. S.
Traveller.....	KIVK	300, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Tri Mountain.....	KOQF	300, 600	PG-X	do.....	Do.
Trinidadian.....	KNO	300, 600	PG-X	Gulf Refining Co.....	Do.
Trinity.....	KDBI	300, 600	PG-N	U. S. S. B.....	I. W. T. Co.
Tripp.....	KIMC	300, 600	PG-X	do.....	Do.
Triumph.....	KEND	300, 600	PG-X	do.....	Do.
Trontolite.....	KOM	300, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Tuckahoe.....	KJOU	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Tuckanuck.....	KIMB	300, 600	PG-X	do.....	Do.
Tuladi.....	KOXL	300, 450, 600	PG-X	do.....	S. O. R. S.
Tulsa.....	KIXR	300, 600	PG-X	do.....	R. C. of A.
Tulsegas.....	KDRZ	300, 600	PG-X	do.....	S. O. R. S.
Tunica.....	WJP	300, 600	PG-N	do.....	R. C. of A.
Turrialba.....	KDT	300, 600	PG-N	United Fruit Co.....	T. R. T. Co.
Tuscaloosa City.....	KDLO	300, 600	PG-X	U. S. Steel Products Co.....	R. C. of A.
Tuscan.....	KUDC	300, 600	PG-X	Munson S. S. Line.....	I. W. T. Co.
Tuxpanoil.....	KDPQ	300, 600	PG-X	U. S. S. B.....	Do.
Tyee.....	WPC	300, 600	PG-X	Skinner & Eddy Corp.....	Owner of vessel.
Ulysses.....	KPU	300, 600	PG-N	Panama R. R. Co.....	Do.
Undaunted.....	KDSJ	300, 600	PG-X	W. Z. Haskins.....	I. W. T. Co.
Undaunted.....	KYR	300, 600	P-X	France & Canada S. S. Co.....	Do.
Unicoi.....	KUQP	300, 600	PG-X	U. S. S. B.....	Do.
Union Liberty.....	KUNG	300, 600	PG-X	do.....	I. W. T. Co.
United States.....	KZU	300, 450, 600	PG-N	E. H. R. Green.....	Owner of vessel.
Utarcarbon.....	KUMC	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
Utoka.....	KERK	300, 600	PG-X	do.....	S. O. R. S.
Vaba.....	KDIP	300, 600	PG-X	do.....	R. C. of A.
Vacuum.....	KUTS	300, 450, 600	PG-X	Vacuum Oil Co.....	S. O. R. S.
Valdez.....	WAK	300, 600	PG-X	Alaska S. S. Co.....	R. C. of A.
Vallonia.....	KULR	300, 600	PG-X	U. S. S. B.....	Do.
Vanada.....	KOBF	300, 600	PG-X	do.....	I. W. T. Co.
Van Camp No. II.....	KDAK	300, 600	PG-X	Fish Canners Co.....	Owner of vessel.
Vancelite.....	KDRG	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Velero.....	WHV	300, 600	PG-X	G. Allan Hancock.....	Do.
Venetia.....	WOW	300, 600	PG-X	John D. Spreckles.....	F. T. Co.
Venezuela.....	WBG	300, 600, 1800	PG-N	Pacific Mail S. S. Co.....	Do.
Ventura.....	WHL	300, 600, 1800	PG-N	Oceanic S. S. Co.....	R. C. of A.
Vesta.....	KTS	300, 450, 600	PG-X	Standard Oil Co.....	S. O. R. S.
Vicksburg.....	KDSC	300, 600	PG-X	Charles Ward Engineering Wks.	Do.
Victoria.....	WAD	300, 450, 525, 600	PG-N	Alaska S. S. Co.....	I. W. T. Co.
Victorious.....	WXIA	300, 450, 600	PG-X	U. S. S. B.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Vigilant.	KOZP	300, 450, 600	PG-X	E. K. Wood Lumber Co.	Owner of vessel.
Vincennes Bridge.	KOXM	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Vincent.	KIZS	300, 600	PG-N	do.	Do.
Vinita.	KOTL	300, 450, 600	PG-X	do.	R. C. of A.
Vinton County.	KORQ	300, 600	PG-X	do.	I. W. T. Co.
Virginia.	KUV	300, 450, 600	PG-X	Texas Co.	Do.
Virginia Bridge.	KUCF	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Virginian.	WKV	300, 600	PG-X	American-Hawaiian S. S. Co.	Owner of vessel.
Vittorio Emanuele III.	KDJF	300, 600	PG-X	U. S. S. B.	R. C. of A.
Vizcaya.	WSQ	300, 600	PG-X	Davidson Chemical Co.	Do.
Volant.	KDON	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Volunteer.	WFAO	300, 600	PG-X	do.	Do.
Von Steuben.	KOXP	300, 600	PG-X	do.	R. C. of A.
Waban.	KJT	300, 450, 600	PG-X	do.	Do.
Wabash.	WNC	300, 600	PG-X	French-American Line.	R. C. of A.
Wachusett.	WJL	300, 600	PG-X	U. S. S. B.	Do.
Waco.	KIRP	300, 600	PG-X	do.	S. O. R. S.
Wacosta.	KDLM	300, 450, 600, 1800	PG-X	do.	Do.
Wahkeena.	WMS	300, 600	PG-X	Wahkeena S. S. Co.	R. C. of A.
Wakulla.	KRUO	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Walden.	KIGG	300, 600	PG-X	do.	R. C. of A.
Wallingford.	KEPV	300, 476, 600	PG-X	do.	Do.
Wallkill.	KIPD	300, 600	PG-X	do.	Do.
Wallowa.	KQAI	300, 600	PG-X	do.	S. O. R. S.
Wallula.	WPY	300, 450, 600	PG-X	Port of Portland, Oreg.	Do.
Walter A. Luckenbach.	KJIE	300, 600	PG-N	Luckenbach S. S. Co.	Do.
Walter D. Munson.	KVJ	300, 450, 600	PG-X	Munson S. S. Co.	R. C. of A.
Walter D. Noyes.	KDY	300, 600	PG-X	Crowell & Thurlow S. S. Co.	Do.
Walter Hardcastle.	KQB	300, 600	PG-X	Sinclair Gulf Corporation Co.	Do.
Walter Jennings.	KDPL	300, 450, 600	PG-X	Standard Oil Co. of N. J.	I. W. T. Co.
Wampum.	KROI	300, 450, 600	PG-X	U. S. S. B.	Owner of vessel.
Wana.	KYX	300, 600	P-X	George C. Sherman.	R. C. of A.
Wapama.	WMG	300, 600	PG-N	Wapama S. S. Co.	S. O. R. S.
Warbler.	KDKR	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Ward.	KDQB	300, 600	PG-X	do.	Owner of vessel.
Warszawa.	WLM	300, 600	PG-N	Polish-American Nav. Corp.	F. T. Co.
Warwick.	KESX	300, 600	PG-X	U. S. S. B.	R. C. of A.
Washtenaw.	WPOO	300, 600	PG-X	Union Oil S. S. Co.	I. W. T. Co.
Wassau.	KROO	300, 600	PG-X	U. S. S. B.	Do.
Watauga.	WQT	300, 600	PG-X	do.	Do.
Waterbury.	KUPT	300, 450, 600	PG-X	do.	R. C. of A.
Watertown.	KING	300, 600	PG-X	do.	I. W. T. Co.
Wathena.	WDIE	300, 600	PG-X	do.	S. O. R. S.
Watowana.	WDII	300, 600	PG-X	do.	Do.
Waubesa.	WGOO	300, 450, 600	PG-X	do.	Do.
Wauconda.	WREE	300, 600	PG-X	do.	I. W. T. Co.
Waukau.	KIDV	300, 600	PG-N	do.	S. O. R. S.
Waukegan.	KIDX	300, 600	PG-X	do.	I. W. T. Co.
Waukesha.	KKEO	300, 450, 600	PG-X	do.	S. O. R. S.
Wauwatosa.	KUCK	300, 600	PG-X	do.	I. W. T. Co.
Wawalona.	KEXM	300, 600	PG-X	do.	S. O. R. S.
Waxahachie.	KILM	300, 600	PG-X	do.	I. W. T. Co.
W. B. Keene.	KWK	300, 600	PG-X	do.	R. C. of A.
W. C. Teagle.	KTY	300, 450, 600	PG-X	Savannah-New York Tran. Co.	Do.
Weikika.	KIXX	300, 600	PG-X	Standard Oil Co. of N. J.	Do.
Wellington.	KMR	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Wenatchee.	KDOT	300, 450, 600, 1800	PG-N	Henry W. Cook.	R. C. of A.
West Alooz.	KIDD	300, 600	PG-X	U. S. S. B.	S. O. R. S.
West Alsek.	KJUO	300, 600	PG-N	do.	I. W. T. Co.
West Amargosa.	KEJS	300, 600	PG-X	do.	Do.
West Apaum.	KJUU	300, 600	PG-N	do.	Do.
West Arrow.	WKS	300, 600	PG-X	do.	Do.
West Ashawa.	KFH	300, 600	PG-X	do.	I. W. T. Co.
West Avenal.	KENG	300, 450, 600	PG-X	do.	R. C. of A.
Westboro.	KDJH	300, 450, 600	PG-X	do.	S. O. R. S.
West Bridge.	KJOO	300, 600	PG-X	do.	Do.
Westbrook.	WLI	300, 600	PG-X	do.	I. W. T. Co.
West Cactus.	KIVV	300, 600	PG-X	do.	R. C. of A.
West Caddoa.	KODF	300, 600	PG-X	do.	S. O. R. S.
West Cadron.	KUDK	300, 600	PG-X	do.	I. W. T. Co.
West Cahokia.	KUPJ	300, 450, 600	PG-X	do.	Do.
West Cajoot.	KEXX	300, 476, 600	PG-X	do.	I. W. T. Co.
West Calera.	KUMM	300, 450, 600	PG-X	do.	R. C. of A.
West Calumb.	KILT	300, 600	PG-X	do.	S. O. R. S.

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COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
West Camak.....	KUST	300, 450, 600	PG-X	U. S. S. B.....	R. C. of A.
West Camargo.....	KDBL	300, 450, 600	PG-X	.....do.....	Do.
West Campgaw.....	KUFR	300, 450, 600	PG-X	.....do.....	S. O. R. S.
West Canon.....	KDCV	300, 600	PG-X	.....do.....	Do.
West Cape.....	WXEO	300, 600	PG-N	.....do.....	I. W. T. Co.
West Carmona.....	KDFW	300, 600	PG-X	.....do.....	S. O. R. S.
West Carnifax.....	KEFC	300, 450, 600	PG-X	.....do.....	R. C. of A.
West Caruth.....	KESJ	300, 600	PG-N	.....do.....	I. W. T. Co.
West Catanace.....	KEE	300, 600	PG-N	Elder Steel S. S. Co.....	S. O. R. S.
West Cavanal.....	KIFD	300, 600	PG-X	Imperial Shipping Corp.....	R. C. of A.
West Cawthon.....	KILZ	300, 600	PG-N	.....do.....	Do.
West Cayote.....	KIRF	300, 600	PG-N	U. S. S. B.....	Do.
West Celeron.....	KKJ	300, 600	PG-X	.....do.....	I. W. T. Co.
West Celina.....	KEZR	300, 450, 600	PG-X	.....do.....	R. C. of A.
West Chatala.....	KIJP	300, 600	PG-N	.....do.....	S. O. R. S.
West Cherow.....	KJM	300, 600	PG-X	.....do.....	Do.
West Chester.....	WCL	300, 476, 600	PG-X	.....do.....	R. C. of A.
West Cheshwald.....	KIXB	300, 600	PG-X	.....do.....	I. W. T. Co.
West Chetac.....	KIMG	300, 600	PG-N	.....do.....	S. O. R. S.
West Coast.....	KRAA	300, 600	PG-N	.....do.....	Do.
West Cobalt.....	KEKD	300, 600	PG-N	.....do.....	R. C. of A.
West Cohas.....	NKAE	300, 600	PG-X	.....do.....	S. O. R. S.
West Compo.....	KENJ	300, 600	PG-X	.....do.....	Do.
West Conob.....	KIFP	300, 476, 600	PG-X	.....do.....	R. C. of A.
West Corum.....	KEVD	300, 600	PG-X	.....do.....	I. W. T. Co.
West Cressy.....	WGOU	300, 600	PG-N	.....do.....	S. O. R. S.
West Cussetsa.....	KDIK	300, 600	PG-X	.....do.....	Do.
West Durfee.....	KJAI	300, 378, 600	PG-X	.....do.....	I. W. T. Co.
West Eagle.....	WQZ	300, 600	PG-N	.....do.....	Do.
West Ekonk.....	KQIU	300, 600	PG-X	.....do.....	Do.
West Elcajon.....	KELK	300, 450, 600	PG-X	.....do.....	R. C. of A.
West Elcasco.....	WJOA	300, 600	PG-N	.....do.....	S. O. R. S.
West Eldara.....	WJOE	300, 600	PG-N	.....do.....	I. W. T. Co.
Western Ally.....	KEFJ	300, 600	PG-N	.....do.....	Do.
Western Belle.....	WKUI	300, 600	PG-N	.....do.....	S. O. R. S.
Western Chief.....	KNAO	300, 420, 600	PG-X	.....do.....	I. W. T. Co.
Western City.....	KNAA	300, 600	PG-X	.....do.....	S. O. R. S.
Western Comet.....	WXEI	300, 600	PG-N	.....do.....	S. O. R. S.
Western Cross.....	KTEE	300, 600	PG-N	.....do.....	R. C. of A.
Westerner.....	KIK	300, 600	PG-X	.....do.....	Do.
Western Front.....	WJQ	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Western Glen.....	KEDR	300, 378, 600	PG-N	.....do.....	I. W. T. Co.
Western Hero.....	KIU	300, 450, 600	PG-X	.....do.....	S. O. R. S.
Western Hope.....	WFIA	300, 600	PG-X	.....do.....	R. C. of A.
Western King.....	WEP	300, 600	PG-X	.....do.....	Do.
Western Knight.....	KEFQ	300, 600	PG-X	.....do.....	S. O. R. S.
Western Light.....	KQOI	300, 600	PG-X	.....do.....	Do.
Western Maid.....	KQOO	300, 450, 600	PG-N	.....do.....	R. C. of A.
Western Ocean.....	KJEA	300, 600	PG-N	.....do.....	S. O. R. S.
Western Plains.....	WZIU	300, 450, 600	PG-N	.....do.....	Do.
Western Pride.....	WGT	300, 600	PG-X	.....do.....	I. W. T. Co.
Western Queen.....	WWK	300, 600	PG-X	.....do.....	R. C. of A.
Western Scout.....	WXEA	300, 600	PG-N	.....do.....	I. W. T. Co.
Western Sea.....	KNAA	300, 600	PG-X	.....do.....	Do.
Western Spirit.....	KNEA	300, 600	PG-X	.....do.....	Do.
Western Star.....	WEU	300, 600	PG-X	.....do.....	Do.
Western States.....	WED	300, 440, 500,	PG-N	Detroit & Cleveland Navigation Co.	R. C. of A.
Western Wave.....	WWC	600	PG-X	U. S. S. B.....	S. O. R. S.
West Erral.....	KERJ	300, 600	PG-N	.....do.....	R. C. of A.
West Faralon.....	KDSX	300, 600	PG-X	.....do.....	I. W. T. Co.
Westfield.....	KXU	300, 600	PG-X	.....do.....	S. O. R. S.
Westford.....	KNAU	300, 600	PG-X	.....do.....	I. W. T. Co.
West Galeta.....	WFAD	300, 600	PG-X	.....do.....	Do.
West Galoc.....	KVEI	300, 600	PG-X	.....do.....	S. O. R. S.
West Gambo.....	KQUU	300, 600	PG-N	.....do.....	R. C. of A.
West Gotomska.....	WET	300, 600	PG-N	.....do.....	Do.
West Gramma.....	WGIA	300, 600	PG-N	.....do.....	S. O. R. S.
West Grove.....	KJAU	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
West Hampton.....	WSP	300, 378, 600	PG-X	.....do.....	S. O. R. S.
West Harcuvar.....	KEZM	300, 600	PG-X	.....do.....	I. W. T. Co.
West Hardaway.....	KEDX	300, 600	PG-X	.....do.....	S. O. R. S.
West Hargrave.....	KEDZ	300, 600	PG-X	.....do.....	I. W. T. Co.
West Harlan.....	KEFS	300, 600	PG-X	.....do.....	S. O. R. S.
West Harshaw.....	KEFX	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
West Hartland.....	KEGS	300, 450, 600	PG-X	.....do.....	S. O. R. S.
West Hartley.....	KEGT	300, 600	PG-X	.....do.....	I. W. T. Co.
West Harts.....	KEFZ	300, 600	PG-X	.....do.....	S. O. R. S.
West Hassayampa.....	KEGX	300, 600	PG-X	.....do.....	I. W. T. Co.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
West Haven.....	KJV	300, 450, 525, 600	PG-X	U. S. S. B.....	S. O. R. S.
West Helix.....	WSUA	300, 600	PG-X	.....do.....	Do.
West Hematite.....	KEZP	300, 600	PG-N	.....do.....	I. W. T. Co.
West Hembrie.....	KEZN	300, 600	PG-X	.....do.....	R. C. of A.
West Henshaw.....	KEBQ	300, 476, 600	PG-X	.....do.....	S. O. R. S.
West Hepburn.....	KINP	300, 600	PG-X	.....do.....	Do.
West Hesseltine.....	KOTN	300, 600	PG-X	.....do.....	Do.
West Hika.....	KOZK	300, 600	PG-X	.....do.....	I. W. T. Co.
West Himrod.....	KUDQ	300, 600	PG-X	.....do.....	S. O. R. S.
West Hixon.....	KUKV	300, 600	PG-X	.....do.....	I. W. T. Co.
West Hobomac.....	WFAI	300, 600	PG-X	.....do.....	S. O. R. S.
West Holbrook.....	KUXB	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
West Homaker.....	KDFX	300, 600	PG-X	.....do.....	S. O. R. S.
West Hosokie.....	WFEI	300, 600	PG-N	.....do.....	I. W. T. Co.
West Humhaw.....	WZAE	300, 600	PG-N	.....do.....	S. O. R. S.
West Imboden.....	KECX	300, 600	PG-X	.....do.....	Do.
West Indian.....	KJAE	300, 600	PG-X	.....do.....	R. C. of A.
West Inskip.....	KITZ	300, 600	PG-X	.....do.....	Do.
West Ira.....	KOGL	300, 476, 600	PG-X	.....do.....	I. W. T. Co.
West Irmo.....	KIFB	300, 600	PG-X	Imperial Shipping Corp.	Do.
West Islay.....	KICP	300, 600	PG-X	.....do.....	Do.
West Isleta.....	KICQ	300, 600	PG-X	.....do.....	Do.
West Islip.....	KIKX	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
West Ison.....	KINN	300, 600	PG-X	.....do.....	R. C. of A.
West Ivan.....	KOZS	300, 600	PG-X	.....do.....	Do.
West Ivis.....	KOQQ	300, 600	PG-X	.....do.....	I. W. T. Co.
West Jaffrey.....	KOCX	300, 450, 600	PG-X	.....do.....	R. C. of A.
West Jappa.....	KUKJ	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
West Jena.....	KOTG	300, 450, 600	PG-X	.....do.....	Do.
West Jessup.....	KOXS	300, 450, 600	PG-X	.....do.....	R. C. of A.
West Jester.....	KUDG	300, 600	PG-X	.....do.....	I. W. T. Co.
West Kader.....	KOSL	300, 600	PG-X	.....do.....	S. O. R. S.
West Kasson.....	KIKM	300, 600	PG-X	.....do.....	Do.
West Katan.....	KOBK	300, 450, 600	PG-X	.....do.....	Do.
West Keats.....	KUQK	300, 450, 600	PG-X	.....do.....	Do.
West Kebar.....	KDAN	300, 600	PG-N	.....do.....	R. C. of A.
West Kedron.....	KDAP	300, 450, 600	PG-X	.....do.....	Do.
West Keene.....	KISK	300, 600	PG-X	.....do.....	Do.
West Kyska.....	WJOU	300, 600	PG-X	.....do.....	S. O. R. S.
Westlake.....	WTH	300, 600	PG-N	.....do.....	R. C. of A.
Westland.....	KDOY	300, 450, 600	PG-X	Tri-State S. S. Co.	S. O. R. S.
Westland.....	KJX	300, 450, 600	PG-X	U. S. S. B.	Do.
West Lashaway.....	WREA	300, 600	PG-N	.....do.....	I. W. T. Co.
West Lewمار.....	KDSN	300, 600	PG-X	.....do.....	S. O. R. S.
West Liang.....	KJAO	300, 376, 600	PG-X	.....do.....	I. W. T. Co.
West Loquassuck.....	WJOI	300, 600	PG-X	.....do.....	S. O. R. S.
West Madaket.....	WJOO	300, 600	PG-N	.....do.....	I. W. T. Co.
West Mahomet.....	WTUU	300, 600	PG-N	.....do.....	S. O. R. S.
West Mahwah.....	KUTC	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
West Maximums.....	KEDQ	300, 600	PG-X	.....do.....	Do.
Westmead.....	WDIO	300, 600	PG-X	.....do.....	Do.
West Mingo.....	KORB	300, 600	PG-X	.....do.....	I. W. T. Co.
West Modus.....	KENK	200, 600	PG-X	.....do.....	S. O. R. S.
West Montop.....	KOTR	300, 600	PG-X	.....do.....	I. W. T. Co.
Westmoreland.....	KIQC	300, 600	PG-N	.....do.....	R. C. of A.
Westmount.....	KDJG	300, 600	PG-X	.....do.....	I. W. T. Co.
West Munham.....	KEXF	300, 600	PG-X	.....do.....	S. O. R. S.
West Neris.....	KOTK	300, 600	PG-X	.....do.....	R. C. of A.
West Niger.....	KOZJ	300, 476, 600	PG-X	.....do.....	I. W. T. Co.
West Nilus.....	KUFJ	300, 450, 600	PG-X	.....do.....	R. C. of A.
West Nirvaria.....	KUQJ	300, 450, 600	PG-X	.....do.....	S. O. R. S.
West Nohno.....	KEXG	300, 600	PG-X	.....do.....	I. W. T. Co.
West Nomentum.....	KUSG	300, 600	PG-X	.....do.....	R. C. of A.
West Norranus.....	KUVZ	300, 600	PG-X	.....do.....	I. W. T. Co.
West Noska.....	KEDV	300, 600	PG-X	.....do.....	R. C. of A.
West Notus.....	KDAM	300, 600	PG-X	.....do.....	S. O. R. S.
West Stoil.....	KIVP	300, 600	PG-X	Edward P. Farley Co.	R. C. of A.
West O'Rowa.....	KDQI	300, 600	PG-X	U. S. S. B.	S. O. R. S.
West Pocasset.....	KOCK	300, 600	PG-X	.....do.....	R. C. of A.
West Point.....	KJY	300, 450, 600	PG-N	Neptune Line.	S. O. R. S.
Westpool.....	WROA	300, 450, 600	PG-N	U. S. S. B.	R. C. of A.
Westport.....	WFEO	300, 450, 600	PG-X	.....do.....	Do.
West Quechee.....	KEDT	300, 600	PG-X	.....do.....	Do.
West Raritans.....	KIXC	300, 600	PG-X	.....do.....	Do.
West Saginaw.....	KOCV	300, 600	PG-X	.....do.....	S. O. R. S.
West Segovia.....	KIPK	300, 600	PG-X	.....do.....	I. W. T. Co.
West Selene.....	KIXZ	300, 600	PG-X	.....do.....	S. O. R. S.
West Sequana.....	WSOI	300, 450, 600	PG-X	.....do.....	I. W. T. Co.

**COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.**

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
West Shore.....	WMD	300, 450, 600	PG-X	U. S. S. B.	R. C. of A.
West Tacook.....	KECR	300, 600	PG-X	do.	L. W. T. Co.
West Togus.....	KEXJ	300, 600	PG-X	do.	S. O. R. S.
West Totant.....	KEXXK	300, 600	PG-X	do.	I. W. T. Co.
West Vaca.....	KEMX	300, 600	PG-X	do.	R. C. of A.
West View.....	WDIU	300, 600	PG-N	do.	S. O. R. S.
Westward Ho.....	WKX	300, 600	PG-X	do.	R. C. of A.
West Wauna.....	WSUE	300, 450, 600	PG-X	do.	S. O. R. S.
West Wauneka.....	WSUI	300, 600	PG-X	do.	I. W. T. Co.
Westwego.....	KGE	300, 450, 600	PG-X	Union Petroleum S. S. Co.	R. C. of A.
West Wind.....	KJH	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Westwood.....	WTF	300, 450, 600	PG-N	do.	Do.
West Zeda.....	WKUU	300, 600	PG-X	do.	I. W. T. Co.
West Zuker.....	WJIA	300, 600	PG-X	do.	S. O. R. S.
West Zula.....	WQE0	300, 600	PG-X	do.	I. W. T. Co.
W. F. Burrows.....	WHG	300, 450, 550, 600	PG-X	Libby, McNeill & Libby.....	S. O. R. S.
W. F. White.....	WGC	300, 600	PG-X	Limestone Transportation Co.	R. C. of A.
Wheatland Montana.....	KISF	300, 600	PG-X	U. S. S. B.	Do.
Wheaton.....	WMUA	300, 600	PG-N	do.	Do.
Wheeling Mold.....	KUNM	300, 450, 600	PG-X	do.	I. W. T. Co.
Whitemarsh.....	KOMG	300, 600	P-X	E. W. Marland.....	Owner of vessel.
Whittier.....	WHT	300, 600, 1800	PG-X	T. A. Hays.....	F. T. Co.
W. H. Libby.....	KDMP	300, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
W. H. McGean.....	WMIO	300, 600	PG-X	Stadacona S. S. Co.	Do.
W. H. Tiford.....	KPD	300, 600	PG-X	Standard Oil Co. of N. J.	Do.
Wicasta.....	KIJG	300, 600	PG-X	U. S. S. B.	Do.
Wichita.....	KDMU	300, 600	PG-X	do.	I. W. T. Co.
Wico.....	KNN	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Wildwood.....	KORV	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Wilhelmina.....	WMO	300, 450, 600	PG-N	Matson Navigation Co.	R. C. of A.
Williamette.....	WSW	300, 600	PG-N	Willamette S. S. Co.	Do.
Willett.....	KDKS	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Willfaro.....	KITX	300, 600	PG-X	Williams S. S. Co.	R. C. of A.
Willhilo.....	KUGV	300, 450, 600	PG-X	U. S. S. B.	Do.
Willsolo.....	KUDL	300, 600	PG-X	do.	I. W. T. Co.
William A. McKinney.....	WOM	300, 600	PG-X	Crowell & Thurlow S. S. Co.	R. C. of A.
William A. Reiss.....	WNI	300, 600	PG-X	Reiss S. S. Co.	Do.
William A. Whitney.....	KUSS	300, 600	PG-X	Whitney Bros. Co.	Do.
William B. Livingstone.....	KDAQ	300, 600	PG-X	Montreal Transit Co.	Do.
William C. Mather.....	KKUI	300, 450, 600	PG-X	Cleveland Cliffs Iron Co.	Do.
William Green.....	WIY	300, 450, 600	PG-X	Pan-Amer. Petro. & Tr. Co.	Do.
William H. Doheny.....	KDKG	300, 450, 600	PG-X	do.	Do.
William H. Webb.....	KOZV	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
William Isom.....	KVY	300, 450, 600	PG-X	American-Italian S. S. Co.	R. C. of A.
William M. Mills.....	KEJT	300, 600	PG-X	William M. Mills.....	Owner of vessel.
William N. Page.....	WF00	300, 450, 600	PG-X	Castner, Curran & Bullitt	R. C. of A.
William Penn.....	KDGV	300, 600	PG-X	U. S. S. B.	Do.
Williamantic.....	KMIO	300, 600	PG-N	do.	S. O. R. S.
Willpolo.....	KOBM	300, 600	PG-X	Williams S. S. Co.	R. C. of A.
Wilsoox.....	WPAO	300, 600	PG-X	U. S. S. B.	I. W. T. Co.
Windber.....	WND...	300, 450, 600	PG-N	Pacific-American Fisheries.	R. C. of A.
Winding Gulf.....	WFEE	300, 600	PG-X	Castner, Curran & Bullitt	Do.
Winifred.....	KTE	300, 600	PG-X	Gulf Refining Co.	I. W. T. Co.
Winnebago.....	KTEI	300, 450, 525, 600	PG-X	American Transatlantic Co.	Owner of vessel.
Winneconne.....	KDFY	300, 600	PG-X	Winneconne S. S. Corp.	R. C. of A.
Winona.....	KUNV	300, 600	PG-X	U. S. S. B.	Do.
Winona County.....	KIZR	300, 600	PG-N	do.	S. O. R. S.
Winston-Salem.....	KUJS	300, 600	PG-X	do.	Do.
Winyah.....	KIMM	300, 450, 600	PG-X	do.	R. C. of A.
Wisconsin Bridge.....	KIBM	300, 600	PG-X	American S. S. Corp.	Owner of vessel.
Wisdom II.....	KDNM	300, 600	PG-X	E. A. Salisbury.....	S. O. R. S.
Wishkah.....	KNEU	300, 600	PG-X	U. S. S. B.	Do.
Wisla.....	KOTP	300, 450, 600	PG-X	Polish-American Nav. Corp.	R. C. of A.
W. J. Hanna.....	KDKX	300, 600	PG-X	Standard Oil Co. of N. J.	Do.
W. L. Steed.....	WSEE	300, 450, 600	PG-X	U. S. S. B.	Do.
Wm. B. o y c e Thompson.....	KDHS	300, 600	PG-X	do.	Do.
W. M. Burton.....	KMIU	300, 600	PG-X	Atlantic Refining Co.	Do.
Wm. F. Herrin.....	WTN	300, 600, 1800	PG-X	Associated Oil Co.	I. T. C. of A.
Wm. G. Warden.....	KNF	300, 450, 600	PG-X	Standard Oil Co. of N. J.	Do.
W. M. Irish.....	KJOE	300, 600	PG-X	Atlantic Refining Co.	Do.
W. M. Tupper.....	WJR	300, 600	PG-X	Gulf & Southern S. S. Co.	Do.
Wolverine State.....	KDMQ	300, 450, 600	PG-N	U. S. S. B.	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Woodmansie.....	KIPF	300, 600	PG-X	U. S. S. B.....	S. O. R. S.
Woonsocket.....	WCW	300, 450, 600	PG-X	.....do.....	R. C. of A.
Worcester.....	KIKL	300, 600	PG-X	.....do.....	S. O. R. S.
Wotan.....	KDGE	300, 600	PG-X	.....do.....	
W. S. Miller.....	KDMR	300, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
W. S. Porter.....	WTM	300, 600, 1800	PG-X	Associated Oil Co.	F. T. Co.
Wyandotte.....	WCO	300, 600	PG-X	Wyandotte Transp. Co.	R. C. of A.
Wyandotte.....	WJW	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Wynochee.....	KFE	300, 600	PG-X	.....do.....	R. C. of A.
Wytheville.....	KITL	300, 450, 600	PG-N	.....do.....	Do.
Yadkin.....	KWL	300, 600	PG-X	.....do.....	Do.
Yaka.....	KDDF	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Yaklok.....	KIGX	300, 450, 600	PG-X	.....do.....	Do.
Yale.....	WRY	300, 600	PG-N	Harvard-Yale Syndicate.	F. T. Co.
Yalza.....	KDJK	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Yamhill.....	WVIE	300, 600	PG-N	.....do.....	I. W. T. Co.
Yankee Arrow.....	KDTG	300, 600	PG-X	Standard Transportation Co.	
Yapalaga.....	KDHK	300, 450, 600	PG-X	U. S. S. B.	R. C. of A.
Yaguina.....	KENF	300, 450, 600	PG-N	.....do.....	I. W. T. Co.
Yesoking.....	KERQ	300, 600	PG-X	.....do.....	S. O. R. S.
Yomachichi.....	WPAI	300, 600	PG-X	.....do.....	Do.
York Harbor.....	KOJB	300, 600	PG-X	.....do.....	I. W. T. Co.
Yosemite.....	KYS	300, 476, 600	PG-X	.....do.....	R. C. of A.
Yorba Linda.....	KDNS	300, 600	PG-X	General Petroleum Corp.	I. W. T. Co.
Youngstown.....	KIFX	300, 600	PG-N	U. S. S. B.	S. O. R. S.
Yucatan.....	WLG	300, 450, 600	PG-N	N. Y. & Cuba Mail S. S. Co.	I. W. T. Co.
Yuca.....	KWJ	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Yukon.....	WXEU	300, 600	PG-N	.....do.....	R. C. of A.
Yuma.....	WJAI	300, 600	PG-X	Tropical Fruit Co.	I. W. T. Co.
Zacapa.....	KLE	300, 450, 600	PG-N	United Fruit Co.	T. R. T. Co.
Zapora.....	WPQ	300, 600	PG-X	Booth Fisheries Co.	S. O. R. S.
Zarembo.....	KICS	300, 600	PG-X	Nacirema S. S. Corp.	I. W. T. Co.
Zavalla.....	KEVC	300, 450, 600	PG-X	.....do.....	Do.
Zirkel.....	WREO	300, 600	PG-X	U. S. S. B.	R. C. of A.
Zulia.....	KDZ	300, 450, 600	PG-N	Atlantic & Caribbean Nav. Co.	

61580°-21-4

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Station.		Call signal.	Station.
KDA	Philadelphia.....	b	KDCX	Steel Engineer.....
KDAB	Hog Island, Pa.....	c	KDCY	Elmac.....
KDAC	Sinasta.....	b	KDCZ	Mount Veron.....
KDAD	Agwisiun.....	b	KDD	Cartago.....
KDAF	Peconic.....	b	KDDA	Red Hook.....
KDAG	M. M. Davis.....	b	KDDB	I. C. White.....
KDAH	Fairport, Va.....	c	KDDC	Algic.....
KDAK	Van Camp No. 11.....	b	KDDE	Lorraine Cross.....
KDAL	Broxton.....	b	KDDF	Yaka.....
KDAM	West Notus.....	b	KDDG	Theodore F. Reynolds.....
KDAN	West Kebar.....	b	KDDH	Sumanco.....
KDAP	West Kedron.....	b	KDDI	Sutermco.....
KDAQ	William B. Livingstone.....	b	KDDJ	John English.....
KDAR	Panhandle State.....	b	KDDK	Carlton.....
KDAS	Siskiyou.....	b	KDDL	Hastings.....
KDAT	Pomona.....	b	KDDM	Carenco.....
KDAV	Dartford.....	b	KDDN	Steel Exporter.....
KDAW	City of Fort Worth.....	b	KDDO	Sudufco.....
KDAX	Antinous.....	b	KDDP	Surico.....
KDAY	Tolosa.....	b	KDDQ	Susherico.....
KDAZ	Eastern Exporter.....	b	KDDR	Halsey.....
KDB	Caracas.....	b	KDDS	Stockton.....
KDBA	Depere.....	b	KDDT	Derblay.....
KDBB	Topa Topa.....	b	KDDU	Heber.....
KDBC	Agwimoon.....	b	KDDV	Culberson.....
KDBD	Gold Star.....	b	KDDW	Bayspring.....
KDBF	Eagle.....	b	KDDX	Bayside.....
KDBG	Edris.....	b	KDDY	Santa Eulalia.....
KDBH	Forest King.....	b	KDDZ	Cassimir.....
KDBI	Trinity.....	b	KDE	Carrillo.....
KDBJ	Steel Worker.....	b	KDEA	Lake Fernwood.....
KDBK	Maude F.....	b	KDEB	Gulfstar.....
KDBL	West Camargo.....	b	KDEC	Syros.....
KDBM	Meton.....	b	KDED	Eastern Soldier.....
KDBN	Cananova.....	b	KDEM	Baytown.....
KDBO	Snoqualmie.....	b	KDEN	Dearborn, Mich.....
KDBP	Chester Kiwanis.....	b	KDEP	Northville, Mich.....
KDBQ	Sutorpco.....	b	KDEQ	Hoboken.....
KDBR	Sunewco.....	b	KDER	Carabubule.....
KDBS	Surailco.....	b	KDES	Carplaka.....
KDBT	Durango.....	b	KDET	Geo. L. Harvey.....
KDBU	Haymon.....	b	KDEV	Gladysbe.....
KDBV	Santa Isabel.....	b	KDEW	Philip Publicker.....
KDBW	Sawokla.....	b	KDEX	Cody.....
KDBX	Mount Clay.....	b	KDEY	Sudurco.....
KDBY	Eastern Importer.....	b	KDGA	Hera.....
KDBZ	Apus.....	b	KDGB	Niobe.....
KDCA	Hybert.....	b	KDGC	Pawnee.....
KDCB	Sapulpa.....	b	KDGD	Loki.....
KCDC	James Otis.....	b	KDGE	Wotan.....
KDCE	Mobile City.....	b	KDEZ	Eastern Temple.....
KDCF	Rotarian.....	b	KDF	Coppenpane.....
KDCG	Independence Hall.....	b	KDFA	Hyder, Alaska.....
KDCH	Pachet.....	b	KDFB	New Orleans.....
KDCI	Hudson.....	b	KDFC	Potter.....
KDCJ	Egeria.....	b	KDFD	Gateway City.....
KDCK	Delivery No. 5.....	b	KDFE	Provincetown.....
KDCL	George Washington.....	b	KDFF	Castana.....
KDCM	Golden State.....	b	KDFG	Catahoula.....
KDCN	Atlanta of Texas.....	b	KDFH	Tomalva.....
KDCO	Houston.....	b	KDFI	Sulaniero.....
KDCP	Halo.....	b	KDFJ	Sudawsonco.....
KDCQ	Mosella.....	b	KDFK	Suscolanco.....
KDCR	Haynie.....	b	KDFM	Manatawny.....
KDCS	Hollywood.....	b	KDFN	Grifco.....
KDCT	Palo Alto.....	b	KDFO	Cantigny.....
KDCU	Mevania.....	b	KDFP	Glenora.....
KDCV	West Canon.....	b	KDFQ	Halway.....
KDCW	Jalapa.....	b	KDFR	Hannawa.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KDFS	Janelaw.....	b	KDJI.....
KDFT	Mursa.....	b	KDJJ.....
KDFU	Jeptha.....	b	KDJK.....
KDFV	Lavada.....	b	KDJL.....
KDFW	West Carmona.....	b	KDJN.....
KDFX	West Honaker.....	b	KDJO.....
KDFY	Winneconne.....	b	KDJP.....
KDFZ	East Hampton.....	b	KDJQ.....
KDG	Parismina.....	b	KDJR.....
KDGK	Bayou Chico.....	b	KDJS.....
KDGL	Steel Ranger.....	b	KDJT.....
KDGM	John Stevens.....	b	KDJU.....
KDGN	Donna Lane.....	b	KDJV.....
KDGO	Clement Smith.....	b	KDJW.....
KDGP	Muskegon.....	b	KDJX.....
KDGQ	Elisha Walker.....	b	KDJY.....
KDGR	Lake Gano.....	b	KDJZ.....
KDGS	City of Rayville.....	b	KDK.....
KDGT	Tulsa, Okla.....	c	KDKA.....
KDGU	Quincy, Mass.....	c	KDKB.....
KDGV	William Penn.....	b	KDKC.....
KDGW	China Arrow.....	b	KDKD.....
KDGX	Bonnie Brook.....	b	KDKE.....
KDGY	Kekoskee.....	b	KDKF.....
KDGZ	Nora.....	b	KDKG.....
KDH	Heredia.....	b	KDKH.....
KDHA	Suricho.....	b	KDKK.....
KDHB	Suremico.....	b	KDKL.....
KDHC	Harvester.....	b	KDKM.....
KDHD	Edgar F. Coney.....	b	KDKN.....
KDHF	Old North State.....	b	KDKO.....
KDHG	Pagasset.....	b	KDKP.....
KDHH	Charles H. Cramp.....	b	KDKQ.....
KDHI	Intrepid.....	b	KDKR.....
KDHJ	Bibbco.....	b	KDKS.....
KDHK	Yapalaga.....	b	KDKT.....
KDHL	Argosy.....	b	KDKU.....
KDHO	Japan Arrow.....	b	KDKW.....
KDHP	India Arrow.....	b	KDKX.....
KDHQ	Java Arrow.....	b	KDKY.....
KDHR	J. Fletcher Farrell.....	b	KDKZ.....
KDHS	Wm. Boyce Thompson.....	b	KDL.....
KDHT	Santa Veronica.....	b	KDLA.....
KDHU	Lilmae.....	b	KDLB.....
KDHV	Brush.....	b	KDLC.....
KDHW	St. Mihiel.....	b	KLDL.....
KDHX	A. A. Daugherty.....	b	KDLK.....
KDHY	Eastern Leader.....	b	KDLE.....
KDHZ	Dawn.....	b	KDLF.....
KDI	Abangarez.....	b	KDLG.....
KDIB	Rawhins, Wyo.....	c	KDLH.....
KDIC	Ferris Oil Field, Wyo.....	c	KDLI.....
KDID	Medon.....	b	KDLJ.....
KDIF	Hanley.....	b	KDLK.....
KDIG	Narbo.....	b	KDLL.....
KDIH	Narcissus.....	b	KDLM.....
KDIJ	Cuprum.....	b	KDLN.....
KDIK	West Cussetta.....	b	KDLO.....
KDIL	Griffdu.....	b	KDLQ.....
KDIM	George E. Weed.....	b	KDLR.....
KDIN	Colin H. Livingstone.....	b	KDL.....
KDIP	Vaba.....	b	KDL.....
KDIQ	Cedarhurst.....	b	KDLT.....
KDIR	Lake Ontario.....	b	KDLU.....
KDIS	Lake Bridge.....	b	KDLV.....
KDIT	Lake Superior.....	b	KDLW.....
KDIV	Lakeshore.....	b	KDLX.....
KDIW	Lake Weir.....	b	KDLY.....
KDIX	Lakeview.....	b	KDLZ.....
KDIY	Lake Dunmore.....	b	KDM.....
KDIZ	Lake George.....	b	KDMA.....
KDJ	San Jose.....	b	KDMB.....
KDJB	Fort George.....	b	KDMC.....
KDJC	Lakewood.....	b	KDMD.....
KDJD	Lake Traverse.....	b	KDME.....
KDJE	Lake Stirling.....	b	KDMF.....
KDJF	Vittorio Emanuele III.....	b	KDMG.....
KDJG	Westmount.....	b	KDMH.....
KDJH	Westboro.....	b	KDMI.....

**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.**

Call signal.	Station.	Call signal.	Station.		
KDMJ	Peralta.....	b	KDPR	Montebello.....	b
KDMK	Fort Worth, Tex.....	c	KDPS	Baytown, Tex.....	c
KDML	S. C. T. Dodd.....	b	KDPT	San Diego, Calif.....	c
KDMM	Nacata.....	b	KDPU	Cascada, Calif.....	c
KDMN	John Worthington.....	b	KDPV	Camp 60, Calif.....	c
KDMO	Muriel.....	b	KDPW	Camp 61, Calif.....	c
KDMP	W. H. Libby.....	b	KDPX	La Placentia.....	b
KDMQ	Wolverine State.....	b	KDPY	Fairfield City.....	b
KDMR	W. S. Miller.....	b	KDPZ	Gold Star.....	b
KDMS	Samuel L. Fuller.....	b	KDQ	Santore.....	b
KDMT	Joseph M. Cudahy.....	b	KDQB	Ward.....	b
KDMU	Wichita.....	b	KDQD	E. R. Kemp.....	b
KDMV	City of Elwood.....	b	KDQE	Galveston.....	b
KDMX	Port Lebak, P. I.....	c	KDQF	Jeff Davis.....	b
KDMY	P. J. Reilly.....	b	KDQG	Oldham.....	b
KDMZ	District of Columbia.....	b	KDQH	Meanticut.....	b
KDNA	El Isleo.....	b	KDQI	West O'Rowa.....	b
KDNB	Tours.....	b	KDQJ	Solana.....	b
KDNC	Aisne.....	b	KDQL	Sucubaco.....	b
KDND	Quinault.....	b	KDQM	Aladdin.....	b
KDNE	Naamhok.....	b	KDQN	Fall River Valley, Calif.....	c
KDNF	Dewey.....	b	KDQO	San Francisco, Calif.....	c
KDNG	Swiftsure.....	b	KDQQ	Cigarette.....	b
KDNH	SuJerseyco.....	b	KDQR	Robert C. Sudden.....	b
KDNI	Bunnewarkco.....	b	KDQS	Cerro-Ebano.....	b
KDNJ	Kingfisher.....	b	KDQT	Mount Carroll.....	b
KDNK	M. F. Elliott.....	b	KDQU	Sea Monarch.....	b
KDNL	Durham.....	b	KDQV	Swift Scout.....	b
KDNM	Wisdom II.....	b	KDQW	Cairo.....	b
KDNN	Agwilake.....	b	KDQX	St. Louis.....	b
KDNO	Gulfking.....	b	KDQY	Cerro-Azul.....	b
KDNP	City of Dalhart.....	b	KDQZ	Frank G. Drum.....	b
KDNQ	City of Brunswick.....	b	KDR	Limon.....	b
KDNR	Lake Miraflores.....	b	KDRA	Fearless.....	b
KDNS	Yorba Linda.....	b	KDRB	Gulf Prince.....	b
KDNT	Bakersfield, Calif.....	c	KDRC	Agwismith.....	b
KDNU	Fresno, Calif.....	c	KDRD	R. J. Hanna.....	b
KDNV	Hawkeye State.....	b	KDRE	K. R. Kingsbury.....	b
KDNW	El Lago.....	b	KDRF	Amuguis, P. I.....	c
KDNX	Sunugentico.....	b	KDRG	Vancolite.....	b
KDNY	Favorite.....	b	KDRH	Ruby (permanently moored scow).....	c
KDNZ	Gorgona.....	b	KDRI	Acropolis.....	b
KDO	Esparta.....	b	KDRJ	Selma City.....	b
KDOB	Ala.....	b	KDRK	Swiftagle.....	b
KDOC	Cebu.....	b	KDRL	Centennial State.....	b
KDOD	Livingstone Roe.....	b	KDRM	Henry D. Whiton.....	b
KDOH	Bessemere City.....	b	KDRN	E. W. Sinclair.....	b
KDOI	Crampton Anderson.....	b	KDRO	San Francisco, Calif.....	c
KDOI	Consort.....	b	KDRP	Suphenco.....	b
KDOJ	Sea Lion.....	b	KDRQ	Manulan.....	b
KDOK	Albert E. Watts.....	b	KDRR	Delphine.....	b
KDOL	F. C. Latrobe.....	b	KDRS	Mindoro.....	b
KDOM	Annapolis.....	b	KDRT	Cuba.....	b
KDON	Volant.....	b	KDRU	Luzon.....	b
KDOP	Astrea.....	b	KDRV	Mount Clinton.....	b
KDOQ	Richmond.....	b	KDRW	Buckeye State.....	b
KDOR	Thomas H. Wheeler.....	b	KDRX	Agwihiavre.....	b
KDOS	Swift Arrow.....	b	KDRY	Nixon Fork, Alaska.....	c
KDOT	Wenatchee.....	b	KDRZ	Tulsagas.....	b
KDOV	Stonewall.....	b	KDS	Sixaoa.....	b
KDOW	America.....	b	KDSA	Swiftlight.....	b
KDOX	Pocahontas.....	b	KDSB	E. T. Bedford.....	b
KDOY	Westland.....	b	KDSC	Vicksburg.....	b
KDOZ	Granite State.....	b	KDSD	Thomas Crowley.....	b
KDPA	Silver State.....	b	KDSE	Astra.....	b
KDPC	Suspearo.....	b	KDSF	Manukai.....	b
KDPD	Mauna Kea.....	b	KDSG	Anniston City.....	b
KDPE	Gargoyle.....	b	KDSH	Hambro.....	b
KDPF	Swiftstar.....	b	KDSI	Swift Wind.....	b
KDPG	Liebre.....	b	KDSJ	Undaunted.....	b
KDPH	Detroit, Mich.....	c	KDSK	Gloria West.....	b
KDPI	Superior, Mich.....	c	KDSL	Keystone State.....	b
KDPJ	Port Huron, Mich.....	c	KDSM	Nashaba.....	b
KDPK	Franklin.....	b	KDSN	West Lewark.....	b
KDPL	Walter Jennings.....	b	KDSO	Lio.....	b
KDPM	Cleveland, Ohio.....	c	KDSP	Dixiano.....	b
KDPN	Arden.....	b	KDSQ	Sea Ranger.....	b
KDPO	Agwistone.....	ff	KDSR	Agwibay.....	b
KDPP	Kennebect.....	b	KDSS	Puente.....	b
KDPQ	Tuxpanoil.....	b	KDST	Tecomate.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.	
KDSU	Toteco.....	b	KEGG Chamblee.....	b
KDSV	Empire State.....	b	KEGJ Chaparel.....	b
KDSW	Atlanta City.....	b	KEGK Chantier.....	b
KDSX	West Faralon.....	b	KEGL Lake Foxcraft.....	b
KDSY	Sea Scout.....	b	KEGM Dirigo.....	b
KDSZ	Illinois.....	b	KEGN Lake Frolono.....	b
KDT	Turrialba.....	b	KEGP Lake Frugality.....	b
KDTA	Liberator.....	b	KEGQ Saluda.....	b
KDTB	Bohemian Club.....	b	KEGR Lake Frohna.....	b
KDT C	Blue Hen State.....	b	KEGS West Hartland.....	b
KDTD	David McKelvy.....	b	KEGT West Hartley.....	b
KDTE	Playa.....	b	KEGX West Hassayampa.....	b
KDTF	Betty R.....	b	KEIH Nueces.....	b
KDTG	Yankee Arrow.....	b	KEI Medina.....	b
KDT H	"223".....	b	KEJ Alamo.....	b
KDTI	Nourmahal.....	b	KEJD Easterling.....	b
KDTJ	Hammac.....	b	KEJF Western Ally.....	b
KDV	Libby Maine.....	b	KEJG Lake Fraichur.....	b
KDW	Nakat Inlet, Alaska.....	c	KEJJ Lake Fraley.....	b
KDX	Firmore.....	b	KEJK Lake Grainger.....	b
KDY	Walter D. Noyes.....	b	KEJL Lake Gramma.....	b
KEA	Phyllis.....	b	KEJN Lake Fanbush.....	b
KEB	Sabine.....	b	KEJP Lake Faulk.....	b
KEBD	Abron.....	b	KEJQ Cabegon.....	b
KEBF	Edgefield.....	b	KEJS West Amargosa.....	b
KEBM	Lake Giltedge.....	b	KEJT William M. Mills.....	b
KEBN	Lake Girth.....	b	KEJV Faraby.....	b
KEBP	Lake Farabee.....	b	KEJX Transportation.....	b
KEBQ	West Henshaw.....	b	KEK San Marcos.....	b
KEBR	Lake Strabo.....	b	KEKB East Wind.....	b
KEBS	Jekyl.....	b	KEKC Norma.....	b
KEBT	Nesco.....	b	KEKD West Cobalt.....	b
KEBV	Lake Flushing.....	b	KEKG Lake Grampian.....	b
KEBX	Remus.....	b	KEKJ Lake Grampus.....	b
KEBZ	The Lambs.....	b	KEKL Saguache.....	b
KEC	Concho.....	b	KEKM Lake Fansdale.....	b
KECB	Edenton.....	b	KEKN Lake Fanquier.....	b
KECG	Chicago Bridge.....	b	KEKP Lake Furlough.....	b
KECJ	Decatur Bridge.....	b	KEKQ Castle Wood.....	b
KECK	Hico.....	b	KEKR Homestead.....	b
KECL	Opelika.....	b	KEKS Tartar.....	b
KECM	Lake Gitano.....	b	KEKT Oscoda.....	b
KECN	Lake Fannin.....	b	KEKV Neabsco.....	b
KECR	West Tacook.....	b	KEKX Batanes.....	b
KECS	Duquesne.....	b	KEKZ Bluffton.....	b
KECV	Lake Flynus.....	b	KEL Isonomia.....	b
KECX	West Imboden.....	b	KELB North Pole.....	b
KEDG	Kamesit.....	b	KELC Polar Star.....	b
KEDJ	Marne.....	b	KELG Buckhannon.....	b
KEDK	Onekama.....	b	KELK West El Cajon.....	b
KEDM	Lake Faribault.....	b	KELM Lake Fernando.....	b
KEDN	Lake Fariston.....	b	KELN Lake Ferrona.....	b
KEDP	Lake Farley.....	b	KELQ Prusa.....	b
KEDQ	West Maximus.....	b	KELR Cochin.....	b
KEDR	Western Glen.....	b	KELS Damacan.....	b
KEDT	West Quchee.....	b	KELX Oyaka.....	b
KEDV	West Nosska.....	b	KELZ Nawitka.....	b
KEDX	West Hardaway.....	b	KEM Comal.....	b
KEDZ	West Hargrave.....	b	KEMD Birchleaf.....	b
KEE	West Catanaoc.....	b	KEMG Susana II.....	b
KEF	Henry R. Mallory.....	b	KEMJ Panay.....	b
KEFB	Sac City.....	b	KEMK Hoxie.....	b
KEFC	West Carnifax.....	b	KEML Jacox.....	b
KEFD	Bar Harbor.....	b	KEMM Covalt.....	b
KEFJ	Copalgrove.....	b	KEMN Covedale.....	b
KEFK	Cerro Gardo.....	b	KEMP Covena.....	b
KEFL	Chamberino.....	b	KEMX West Vaca.....	b
KEFM	Lake Inaha.....	b	KEMZ Ballenas.....	b
KEFN	Lake Friar.....	b	KEN H. F. Dimock.....	b
KEFP	Lake Frio.....	b	KEND East Cape.....	b
KEFQ	Western Knight.....	b	KENF Triumph.....	b
KEFR	Ossining.....	b	KENG Yaquina.....	b
KEFS	West Harlan.....	b	KENJ West Avenal.....	b
KEFT	City of Eureka.....	b	KENK West Compo.....	b
KEFX	West Harshaw.....	b	KENM West Modus.....	b
KEFZ	West Harts.....	b	KENN Coverun.....	b
KEG	Rio Grande.....	b	KENP Cowan.....	b
KEGC	Bristol.....	b	KENQ Lake Elkwood.....	b
KEGF	Eclipse.....	b	KENR Ballew.....	b
		b	Itompa.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KENS	Cabrille.....b	KEVM	Nishmaha.....b
KENV	Ballcamp.....b	KEVN	Osaquimnick.....b
KENX	Clincho.....b	KEVP	Ozette.....b
KENZ	Banaran.....b	KEVR	Hartwood.....b
KEP	Lampasas.....b	KEVS	Chappell.....b
KEPD	Diablo.....b	KEVT	Schodack.....b
KEPF	Mercer.....b	KEVV	Schoharie.....b
KEPG	Agwistar.....b	KEVX	Tollard.....b
KEPJ	Brevard.....b	KEVZ	Lake Faresman.....b
KEPK	Briarcliff.....b	KEX	Josiah Macy.....b
KEPL	Aledo.....b	KEXB	McKeesport.....b
KEPM	Lake Elkwater.....b	KEXF	West Munham.....b
KEPN	Lake Ellendale.....b	KEXG	West Nohno.....b
KEPP	Lake Ellenorah.....b	KEXJ	West Togus.....b
KEPQ	Proctor.....b	KEXK	West Totant.....b
KEPR	Sahale.....b	KEXL	Lake Folcroft.....b
KEPS	Lazy Bay, Alaska.....c	KEXM	Wawaalona.....b
KEPT	Saco.....b	KEXN	Moline.....b
KEPV	Wallingford.....b	KEXQ	South Bend.....b
KEQ	Port Walter, Alaska.....b	KEXR	Grand Haven.....b
KEQB	Dallas.....b	KEXS	Milwaukee.....b
KEQC	Barugo.....b	KEXT	Peter H. Crowell.....b
KEQD	Bolikow.....b	KEXV	Hoven.....b
KEQQ	Baldridge.....b	KEXX	West Cajoot.....b
KEQJ	Baldrock.....b	KEXZ	Glymont.....b
KEQK	Belvidere.....b	KEY	Cape Edwards, Alaska.....b
KEQM	Lake Ellerslie.....b	KEZ	San Lorenzo.....b
KEQN	Lake Ellicott.....b	KEZB	Lake Sapor.....b
KEQP	Lake Festina.....b	KEZC	Lake Fonda.....b
KEQR	Galahad.....b	KEZD	Lake Fontana.....b
KEQS	Callao.....b	KEZF	Lake Fontanet.....b
KEQV	Fisco.....b	KEZJ	Lake Gilboa.....b
KEQX	Salaverry.....b	KEZK	Lake Gilpen.....b
KER	H. M. Flager.....b	KEZL	Lake Gulta.....b
KERC	Batino.....b	KEZM	West Harcuvar.....b
KERF	Star of Greenland.....b	KEZN	West Hembrie.....b
KERG	Shooters Island.....b	KEZP	West Hematite.....b
KERJ	West Erral.....b	KEZQ	Glyndon.....b
KERK	Utoka.....b	KEZR	West Celina.....b
KERL	Ganeri.....b	KEZZ	Poughkeepsie.....b
KERM	Lake Festus.....b	<b>KFA</b>	City of Columbus.....b
KERN	Lake Fibre.....b	KFAI	Glendola.....b
KERP	Lake Fielding.....b	KFAO	Glendoyle.....b
KERQ	Yeosoking.....b	KFB	City of Atlanta.....b
KERR	Benoni.....b	KFD	Lake Janet.....b
KERT	Bethelridge.....b	KFE	Wynooche.....b
KERX	Miller County.....b	KFEO	Monana.....b
KERZ	Cecil County.....b	KFF	Frieda.....b
KES	San Jacinto.....b	KFG	Feltore.....b
KESB	Lake Foxboro.....b	KFH	West Ashawa.....b
KESC	Sacandaga.....b	KFI	I. D. Fletcher.....b
KESD	Castle Point.....b	KFJ	City of Augusta.....b
KESG	Sapinero.....b	KFK	City of Savannah.....b
KESJ	West Caruth.....b	KFN	Tormentor.....b
KESK	Lake Flovilla.....b	KFO	Buccaneer.....b
KESL	Cowardin.....b	KFP	Nacooyer.....b
KESM	Lake Fife.....b	KFQ	Owego.....b
KESN	Lake Figart.....b	KFS	San Francisco, Calif.....b
KESP	Lake Fighting.....b	KFT	Tasco.....b
KESQ	Bidwell.....b	KFW	Freedom.....b
KESR	Hampton Roads.....b	<b>KFX</b>	City of St. Louis.....b
KESV	City of Freeport.....b	KFY	City of Montgomery.....b
KESX	Warwick.....b	<b>KGA</b>	Coamo.....b
KESZ	Henry Clay.....b	KGAE	New Windsor.....b
KET	Bolinas, Calif. (transmitting). (Marshall, Calif. (receiving)).....c	KGD	Suruga.....b
KETG	Braddock.....b	KGE	Westwego.....b
KETJ	Moss Point.....b	KGH	Hillsboro, Oreg.....b
KETM	Askawake.....b	KGJ	San Juan.....b
KETN	Edgehill.....b	KGK	Edgar F. Luckenbach.....b
KETP	Edgemont.....b	KGL	Dochra.....b
KETX	Georgina Rolph.....b	KGM	Mexicano.....b
KETZ	Annette Rolph.....b	KGOE	Lake Harney.....b
KEU	S. V. Harkness.....b	KGP	Ponce.....b
KEVB	Oswatomie.....b	KGQ	Edward Luckenbach.....b
KEVC	Zavalla.....b	KGR	Cambridge.....b
KEVD	West Corum.....b	KGS	Senator Bailey.....b
KEVF	Edgemoor.....b	KGT	J. L. Luckenbach.....b
KEVG	Eldena.....b	KGUE	Caribbean.....b
KEVJ	Fort Seward.....b	KGUI	Apex.....b
		KGV	Fred'k Luckenbach.....b

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
KGX	Sewalls.....	b	KIFX	Youngstown.....
KGZ	Julia Luckenbach.....	b	KIFZ	Lorain.....
<b>KHA</b>	Uyak, Alaska.....	c	KIG	Pioneer.....
KHB	Kvichak, Alaska.....	c	KIGB	Lake Glencoe.....
KHC	Chignik, Alaska.....	c	KIGC	Humaconna.....
KHD	Stanwood.....	b	KIGD	Hulver.....
KHE	Lake Silver.....	b	KIGF	Seekonk.....
KHF	Snag Point, Alaska.....	c	KIGG	Walden.....
KHG	Clark's Point, Alaska.....	c	KIGJ	Director.....
KHH	San Francisco, Calif.....	c	KIGK	Intan.....
KHI	Isabela de Basilan, P. I.....	c	KIGL	Polybius.....
KHK	Wahiaha, Hawaii.....	c	KIGM	Lake Farlin.....
KHL	Lahaina, Hawaii.....	c	KIGP	Gratia.....
KHM	Lihue, Hawaii.....	c	KIGQ	Santa Elisa.....
KHN	Kawaihae, Hawaii.....	c	KIGR	Blair.....
KHO	Kaunakakai, Hawaii.....	c	KIGS	Harry Luckenbach.....
KHP	Mangore.....	b	KIGT	Bessemer.....
KHR	J. W. VanDyke.....	b	KIGX	Yaklok.....
KHS	H. C. Folger.....	b	KIGZ	Ashbee.....
KHT	Naknek, Alaska.....	b	KIH	Corning.....
KHU	Lake Odgen.....	b	KIJ	Acme.....
KHV	Lake Jessup.....	b	KIJB	Lake Candelaria.....
KHW	Lake Charles.....	b	KIJC	Balsam.....
KHY	K. I. Luckenbach.....	b	KIJD	Barrenfark.....
KHZ	Mystic.....	b	KIJF	Barryton.....
<b>KIA</b>	Ardmore.....	b	KIJG	Wicasta.....
KIB	Muskogee.....	b	KIJH	Sabotawan.....
KIBB	Lake Glebe.....	b	KIJK	Kisnop.....
KIBC	Silverbrook.....	b	KIJL	Edellyn.....
KIBD	Shenandoah.....	b	KIJM	Schroon.....
KIBF	Milwaukee Bridge.....	b	KIJN	Knoxville.....
KIBG	National Bridge.....	b	KIJP	Montgomery.....
KIBJ	Passaic Bridge.....	b	KIJQ	Hoxbar.....
KIBK	Opequan.....	b	KIJR	Barstow.....
KIBL	Masca.....	b	KIJS	Butterfield.....
KIBM	Wisconsin Bridge.....	b	KIJT	Buttercup.....
KIBN	Santa Malta.....	b	KIJV	Bethlehem Bridge.....
KIBQ	Saugus.....	b	KIJX	Brasher.....
KIBR	Craftsman.....	b	KIJZ	Dade County.....
KIBZ	Byfield.....	b	KIK	Westerner.....
KIC	Standard.....	b	KIKB	Hillsborough County.....
KICM	Edgewood.....	b	KIKC	Jackson.....
KICN	Eldridge.....	b	KIKD	Johnson City.....
KICP	West Islay.....	b	KIKF	Jefferson County.....
KICQ	West Isleta.....	b	KIKG	St. Johns County.....
KICR	Gaffney.....	b	KIKJ	St. Augustine.....
KICS	Zarembo.....	b	KIKK	Shortsville.....
KICV	Gunston Hall.....	b	KIKL	Worcester.....
KICZ	Admiral Evans.....	b	KIKM	West Kasson.....
KID	Matinicock.....	b	KIKP	Moosabee.....
KIDB	Lake Granby.....	b	KIKQ	Ambridge.....
KIDC	Sartaria.....	b	KIKR	Claирton.....
KIDD	West Alcoz.....	b	KIKS	Argenta.....
KIDF	Hegira.....	b	KIKT	Evansville.....
KIDJ	Mulpuwa.....	b	KIKX	West Islip.....
KIDL	Genesee.....	b	KILF	Elmsport.....
KIDM	Anniston.....	b	KILG	Edisto.....
KIDN	Chattanooga.....	b	KILJ	Edmore.....
KIDP	Louisville Bridge.....	b	KILK	Colorado Springs.....
KIDQ	Schoodic.....	b	KILL	City of Spokane.....
KIDR	Romulus.....	b	KILM	Waxahachie.....
KIDS	Lake Canaveral.....	b	KILN	Neshaminy.....
KIDT	Barrallton.....	b	KILP	Meriden.....
KIDV	Waukau.....	b	KILQ	Shaume.....
KIDX	Waukegan.....	b	KILR	Scantic.....
KIDZ	Orleans.....	b	KILT	West Calumb.....
<b>KIE</b>	Kahuku, Hawaii (transmitting).....	c	KILV	Ipswich.....
	{Koko Head, Hawaii (receiving).....	c	KILX	Monasses.....
KIFB	West Irmo.....	b	KILZ	West Cawthon.....
KIFC	Hukey.....	b	KIM	Latouche, Alaska.....
KIFD	West Cavanal.....	b	KIMB	Tukanuck.....
KIFG	Favorite.....	b	KIMC	Tripp.....
KIFJ	Kishacoquillas.....	b	KIMD	Deerlodge.....
KIFK	Chautauqua.....	b	KIMG	West Chetac.....
KIFL	Delphine.....	b	KIMJ	Cushnoc.....
KIFN	Humrick.....	b	KIML	Santa Leonora.....
KIFP	West Conob.....	b	KIMM	Winyah.....
KIFQ	Bound Brook.....	b	KIMN	Salvation Lass.....
KIFR	Barranca.....	b	KIMP	Pontchartrain.....
KIFV	Andrea F. Luckenbach.....	b	KIMQ	East Side.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KIMR	Dochet.....	b	KISJ	Stanley.....
KIMS	Burnwell.....	b	KISK	West Keene.....
KIMT	Mount Evans.....	b	KISM	Baldbutte.....
KIMV	Lake Cannonsburg.....	b	KISN	Lake Fagundus.....
KIMX	Orinoco.....	b	KISP	Lake Fairlie.....
KIMZ	Pipestone County.....	b	KISQ	Afel.....
KIN	Patrol.....	b	KISR	City of Fairbury.....
KINB	Ogontz.....	b	KISS	Liberty Land.....
KINC	Hyannis.....	b	KIST	Laborer.....
KIND	Rock Island.....	b	KISV	Asquan.....
KINF	Costigan.....	b	KISX	Lake Farrar.....
KING	Watertown.....	b	KIT	Tiger.....
KINJ	Lake Fabyan.....	b	KITB	Lake Falama.....
KINK	Lake Glasco.....	b	KITC	Babboosic.....
KINL	Pere Marquette 8.....	b	KITF	Firthcliffe.....
KINM	Lehigh.....	b	KITG	Kittegaun.....
KINN	West Ison.....	b	KITJ	Innoko.....
KINP	West Hepburn.....	b	KITK	Bellbuckle.....
KINQ	Eelbeck.....	b	KITL	Wytheville.....
KINR	Olen.....	b	KITM	Betsy Bell.....
KINS	Boston Bridge.....	b	KITN	Nameau.....
KINT	Bay Head.....	b	KITP	Lake Gadsden.....
KINV	Calno.....	b	KITQ	Lake Singara.....
KINX	Davison County.....	b	KITR	Keshena.....
KINZ	Pawtucket.....	b	KITS	Kiokee.....
KIO	Brynhilda.....	b	KITT	Kiron.....
KIP	General W. C. Gorgas.....	b	KITV	Kitchi.....
KIPB	Assinippi.....	b	KITX	Willaro.....
KIPC	Fontia.....	b	KITZ	West Inskip.....
KIPD	Wailkill.....	b	KIU	Western Hero.....
KIPF	Woodmansie.....	b	KIVB	Minnequa.....
KIPG	Doylestown.....	b	KIVC	Kewanee.....
KIPJ	West Chatala.....	b	KIVD	Marina.....
KIPK	West Segovia.....	b	KIVF	Lightburne.....
KIPL	Pyramus.....	b	KIVG	Mercer Victory.....
KIPN	Lake Gazette.....	b	KIVJ	Hatchie.....
KIPP	American Star.....	b	KIVK	Traveller.....
KIPQ	Lake Fabius.....	b	KIVM	Lake Fear.....
KIPR	S. B. Hunt.....	b	KIVN	Explorer.....
KIPS	Geo. H. Jones.....	b	KIVP	Westoill.....
KIPV	Luxpalile.....	b	KIVQ	Huguenot.....
KIPX	Maiden Creek.....	b	KIVR	Devolente.....
KIPZ	Lake Farmingdale.....	b	KIVS	Delfina.....
KIQ	Astral.....	b	KIVT	Delisle.....
KIQB	Belfort.....	b	KIVV	West Cactus.....
KIQC	Westmoreland.....	b	KIVX	Gaurdsman.....
KIQC	Cansumset.....	b	KJVZ	Custodian.....
KIQF	Cotati.....	b	KIXB	West Cheswaid.....
KIQJ	Fort Logan.....	b	KIXC	West Raritans.....
KIQK	Cold Spring.....	b	KIXD	Lackawanna Valley.....
KIQM	Nedmac.....	b	KIXF	Ablanset.....
KIQN	Lake Farragut.....	b	KIXG	Asabeth.....
KIQP	Lake Fackler.....	b	KIXJ	Fourth Alabama.....
KIQQ	Thala.....	b	KIXK	Lafecomo.....
KIQR	Hugoton.....	b	KIXL	Lebanon.....
KIQS	Bathgate.....	b	KIXM	Lockport.....
KIQT	Bathalum.....	b	KIXN	Lordship Manor.....
KIQT	Corson.....	b	KIXP	Nonantum.....
KIQX	Fluor Spar.....	b	KIXQ	Putnaam.....
KIR	Eagle.....	b	KIXR	Tulsa.....
KIRB	Lake Farber.....	b	KIXS	Abraham Lincoln.....
KIRF	West Cayote.....	b	KIXT	Lake Flagon.....
KIRG	New Britain.....	b	KIXV	Montauk.....
KIRJ	Lake Frumet.....	b	KIXX	Weikika.....
KIRK	Sharon.....	b	KIXZ	West Selene.....
KIRM	Arenas.....	b	KIZB	Delco.....
KIRN	Haddon.....	b	KIZC	Bakersfield.....
KIRP	Waco.....	b	KIZD	Barthney.....
KIRQ	Delavan.....	b	KIZF	Buffalo Bridge.....
KIRR	Cambridge.....	b	KIZG	Parksville.....
KIRS	John Ena.....	b	KIZJ	Dauperata.....
KIRT	Derbyline.....	b	KIZK	Katherine.....
KIRV	Lake Fairfax.....	b	KIZL	Avalon.....
KIRX	Casper.....	b	KIZM	Lake Flagstaff.....
KIRZ	Glen Ridge.....	b	KIZN	Lake Flambeau.....
KIS	Marshall, Alaska.....	c	KIZP	Shickshinny.....
KISC	Orcus.....	b	KIZQ	Bannack.....
KISD	Seattle Spirit.....	b	KIZR	Winona County.....
KISF	Wheatland Montana.....	b	KIZS	Vincent.....
KISG	Elridge.....	b	KIZT	Algonquin.....

**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.**

Call signal.	Station.		Call signal.	Station.	
KIZV	Imlay.....	b	KKY	E. Dia.....	b
KIZX	Labette.....	b	KKZ	El Rio.....	b
KIZZ	Rockaway Park.....	b	<b>KLA</b>	Pastores.....	b
<b>KJA</b>	Jualin, Alaska.....	c	KLAA	Luela.....	b
KJAA	Chebaultip.....	b	KLAE	Overbrook.....	b
KJAE	West Indian.....	b	KLAO	Lake Crystal.....	b
KJAI	West Durfee.....	b	KLAU	Lake Winona.....	b
KJAO	West Lianga.....	b	KLC	Calamares.....	b
KJAU	West Grove.....	b	KLD	Fort Worth.....	b
KJC	Oconee.....	b	KLE	Zacapa.....	b
KJD	North Land.....	b	KLEA	Lake Maurepas.....	b
KJE	Norlina.....	b	KLEE	Lake St. Regis.....	b
KJEA	Western Ocean.....	b	KLEI	Lake Allen.....	b
KIEI	John M. Connelly.....	b	KLEO	Lake Clear.....	b
KIEU	Santa Luisa.....	b	KLEU	Lake Pewaukee.....	b
KJF	Carolinian.....	b	KLF	Metapan.....	b
KIG	Eurana.....	b	KLG	Santa Marta.....	b
KJH	West Wind.....	b	KLH	Saramacca.....	b
KJI	Satsuma.....	b	KLI	Suriname.....	b
KJIE	Walter A. Luckenbach.....	b	KLIA	Lake Otisco.....	b
KJII	Muscatine.....	b	KLIE	Lake Como.....	b
KJIO	Paul H. Harwood.....	b	KLIU	Lake Sunapee.....	b
KJIU	Carib.....	b	KLJ	Beatrice.....	b
KJK	King Cove, Alaska.....	c	KLK	Craster Hall.....	b
KJL	False Pass, Alaska.....	b	KLL	Thompson Falls, Mont.....	c
KLM	West Cherow.....	b	KLM	Bantu.....	b
KJN	J. A. Bostwick.....	b	KLO	Santa Rosalia.....	b
KJO	Munisila.....	b	KLOE	Lake Hemlock.....	b
KJOA	Faith.....	b	KLOI	Lakehurst.....	b
KJOE	W. M. Irish.....	b	KLOO	Lake Lida.....	b
KJOO	West Bridge.....	b	KLOU	Lake Shawano.....	b
KJOU	Tuckahoe.....	b	KLQ	Rainbow, Mont. (near Great Falls).....	c
KJP	Joseph R. Parrott.....	b	KLR	Crofton Hall.....	b
KJT	Waban.....	b	KLT	Howick Hall.....	b
KJU	Baco.....	b	KLU	Charlton Hall.....	b
KJUA	Ice King.....	b	KLUA	Lake Capens.....	b
KJUE	Radnor.....	b	KLUB	Lake Sebago.....	b
KJUI	Point Lobos.....	b	KLUI	Lake Cayuga.....	b
KJUO	West Alsek.....	b	KLUO	Lake Ennis.....	b
KJUU	West Apaum.....	b	KLUU	Agarista.....	b
KJV	West Haven.....	b	KLV	San Mateo.....	b
KJW	O. T. Waring.....	b	KLW	Port Althorp, Alaska.....	c
KJX	Westland.....	b	KLX	Kermanshah.....	b
KJY	West Point.....	b	KLY	Deepwater.....	b
KJZ	Chincha.....	b	<b>KMA</b>	Allianca.....	b
<b>KK</b>	Yakutat, Alaska.....	c	KMA A	Admiral Nicholson.....	b
KKAA	Sulzer, Alaska.....	c	KMAI	Catherine D.....	b
KKAE	Nushagak, Alaska.....	c	KMAU	Ampetco.....	b
KKAI	Hawk Inlet, Alaska.....	c	KMB	Amoico.....	b
KKAO	Kussilof, Alaska.....	c	KMD	Cristobal.....	b
KKAU	Avondale.....	b	KME	Pennant.....	b
KKB	El Sol.....	b	KMEO	Orizaba.....	b
KKC	Chalmette.....	b	KMEU	Cletus Schneider.....	b
KKD	Comus.....	b	KMF	Pasadena.....	b
KKE	Topala.....	b	KMG	Eegvik, Alaska.....	c
KKEE	Nanking.....	b	KMH	Ekuk, Alaska.....	b
KKEI	City of Sydney.....	b	KMI	Panama.....	b
KKEO	Waukesha.....	b	KMIE	Tivives.....	b
KKEU	Mariners Harbor.....	b	KMII	Cape Henry.....	b
KKF	Torres.....	b	KMIO	Masuda.....	b
KKG	El Almirante.....	b	KMIU	Willimantic.....	b
KKH	El Capitan.....	b	KMK	W. M. Burton.....	b
KKI	Kilkenny.....	b	KML	Naknek, Alaska.....	c
KKIU	Nacogdoches.....	b	KMM	Lockanok, Alaska.....	c
KKJ	West Celeron.....	b	KMN	Panuco.....	b
KKL	El Alba.....	b	KMOE	Butte, Mont.....	c
KKM	Momus.....	b	KMOI	Accamac.....	b
KKN	El Norte.....	b	KMOO	Eldorado.....	b
KKO	Excelsior.....	b	KMP	Oakland.....	b
KKOA	Biran.....	b	KMQ	Edward Pierce.....	b
KKOE	Lake Annette.....	b	KMR	Metha Nelson (moored schooner).....	c
KKP	Mahanna.....	b	KMS	Sherman.....	b
KKQ	El Sud.....	b	KMT	Wellington.....	b
KKR	Creole.....	b	KMU	Ancon.....	b
KKS	El Siglo.....	b	KMUA	Libbyville, Alaska.....	c
KKT	El Cid.....	b	KMUE	Ugashik, Alaska.....	c
KKU	El Mundo.....	b	KMUI	Lake Lasang.....	b
KKUI	William G. Mather.....	b	KMUU	Lake Larga.....	b
KKV	El Oriente.....	b	KMV	George W. Barnes.....	b
KKW	El Valle.....	b		Lake Flume.....	b
KKX	El Occidente.....	b		Advance.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.		
KMW	Akutan, Alaska.....	c	KODP	Babinda.....	b
KMX	Colon.....	b	KODQ	Hulaco.....	b
KMY	Holden Evans.....	b	KODR	Salem County.....	b
KMZ	General G. W. Goethals.....	b	KODS	Bellemina.....	b
KNA	Dorothy Bradford.....	b	KODT	Dewey.....	b
KNAA	Western Sea.....	b	KODV	Hog Island.....	b
KNAE	West Cohas.....	b	KODX	Dillwyn.....	b
KNAI	Western City.....	b	KODZ	Ophis.....	b
KNAO	Western Chief.....	b	KOE	Communipaw.....	b
KNAU	Westford.....	b	KOF	Castle Town.....	b
KNB	Lexington.....	b	KOFC	Bellhaven.....	b
KNC	Concord.....	b	KOFD	Anaconda.....	b
KND	Plymouth.....	b	KOFF	Audiitor.....	b
KNE	Clare.....	b	KOFG	Sunshine.....	b
KNEA	Western Spirit.....	b	KOFJ	H. F. Morse.....	b
KNEE	Santa Tecla.....	b	KOFK	Elkton.....	b
KNEU	Wishkah.....	b	KOFL	Chepadoa.....	b
KNF	Wm. G. Warden.....	b	KOFM	Lake Ellithorpe.....	b
KNG	Bradford.....	b	KOFN	Cookaponset.....	b
KNH	Brockton.....	b	KOFP	Lake Elisbury.....	b
KNI	De Soto.....	b	KOFQ	Lake Elmhurst.....	b
KNK	Marica.....	b	KOFR	Basford.....	b
KNL	Nelson.....	b	KOFS	Bascobel.....	b
KNM	Millinocket.....	b	KOFT	Bensalem.....	b
KNN	Wico.....	b	KOFTV	Lake Elpueblo.....	b
KNO	Trinidadian.....	b	KOFX	Cook.....	b
KNP	Dayton.....	b	KOFZ	Coquit.....	b
KNQ	F. Q. Barstow.....	b	KOGB	Independent Bridge.....	b
KNS	Sucrosa.....	b	KOGC	Lackawanna Bridge.....	b
KNU	Currier.....	b	KOGD	Moosehauscis.....	b
KNUO	Mazama.....	b	KOGF	Kootenai.....	b
KNW	Robert M. Thompson.....	b	KOGJ	Nockum.....	b
KNX	Susana.....	b	KOGK	Escambia.....	b
KNY	Fred W. Weller.....	b	KOGL	West Ira.....	b
KNZ	A. C. Bedford.....	b	KOGM	Storm King.....	b
<b>KOBB</b>	Shannock.....	b	KOGN	Brave Coeur.....	b
KOBC	Ruby.....	b	KOGP	Hadnot.....	b
KOBD	Orani.....	b	KOGQ	Irvington.....	b
KOBF	Vanada.....	b	KOGR	Lake Fairport.....	b
KOBG	Editor.....	b	KOGS	Lake Flatonia.....	b
KOBJ	Deroche.....	b	KOGT	Lake Flanders.....	b
KOBK	West Katan.....	b	KOGV	Lake Gebhart.....	b
KOBL	Lake Ellijay.....	b	KOGX	Merry Mount.....	b
KOBM	Willpolo.....	b	KOGZ	Commissioner.....	b
KOBN	Alameda.....	b	KOH	Glenpool.....	b
KOBP	Bird City.....	b	KOI	Polarine.....	b
KOBQ	Gonzalis.....	b	KOJ	Ajax.....	b
KOBR	Barwick.....	b	KOJB	York Harbor.....	b
KOBS	Bartolome.....	b	KOJD	Sinsinawa.....	b
KOBT	Lake Inglenook.....	b	KOJF	Montana.....	b
KOBV	Baldhill.....	b	KOJG	Jacksonville.....	b
KOBX	Moshico.....	b	KOJJ	Lake Galata.....	b
KOBZ	Lake Elon.....	b	KOJK	Hanover.....	b
KOC	Jamestown.....	b	KOJL	Cripple Creek.....	b
KOCB	Lake Savus.....	b	KOJM	Lake Onawa.....	b
KOCC	Epitacio Pessoa.....	b	KOJP	Lake Favonia.....	b
KOCD	Texarkana.....	b	KOJQ	Lake Fitch.....	b
KOCF	Nokatay.....	b	KOJR	Chickasaw.....	b
KOCG	Lake Fiscus.....	b	KOJS	Magmeric.....	b
KO CJ	Aquilo.....	b	KOJT	Lake Gallen.....	b
KOCK	West Pocasset.....	b	KOJV	Portsmouth.....	b
KOCL	Elkhorn.....	b	KOJX	Lake Galewood.....	b
KOCM	Marsodak.....	b	KOJZ	Lake Gaither.....	b
KOCN	Federal Bridge.....	b	KOK	St. Charles.....	b
KOCP	Continental Bridge.....	b	KOKC	Northern Star.....	b
KOCQ	Clark Mills.....	b	KOKD	Bellerose.....	b
KOCR	John W. Wells.....	b	KOKF	Bellepline.....	b
KOCS	Lake Girardeau.....	b	KOKG	Moositauke.....	b
KOCT	Hercules.....	b	KOKK	Iceland.....	b
KOCV	West Saginaw.....	b	KOKL	Kaweah.....	b
KOCX	West Jaffrey.....	b	KOKM	Daniel Webster.....	b
KOCZ	Lake Ellsworth.....	b	KOKN	Potomac.....	b
KOD	Jefferson.....	b	KOKP	Crisfield.....	b
KODB	Nobles.....	b	KOKQ	Lake Elrio.....	b
KODC	Sunbeam.....	b	KOKR	Inspector.....	b
KODD	Lake Fisher.....	b	KOKS	Lake Gera.....	b
KODF	West Caddoa.....	b	KOKT	Bethnor.....	b
KODG	Siletz.....	b	KOKV	Kaleen.....	b
KODK	Hathaway.....	b	KOKX	Kolda.....	b
KODL	Menominee.....	b	KOKZ	Lake Fithian.....	b
KODN	Endicott.....	b	KOL	Mount Hope.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.		
KOLB	Aryan.....	.b	KOQT	Quinnipiac.....	.b
KOLC	Orient.....	.b	KOQV	Caldas.....	.b
KOLD	Antonia.....	.b	KOQX	Nipmuc.....	.b
KOLJ	Lake Faxon.....	.b	KOQZ	Kayseeka.....	.b
KOLK	Lake Felden.....	.b	KORB	West Mingo.....	.b
KOLL	Clavarack.....	.b	KORC	Macomet.....	.b
KOLM	Balcatta.....	.b	KORD	Sundance.....	.b
KOLN	Susquehanna.....	.b	KORF	Nocealula.....	.b
KOLP	Cathlamet.....	.b	KORG	Cethana.....	.b
KOLR	Lake Elmdale.....	.b	KORJ	Challamba.....	.b
KOLS	Chicomico.....	.b	KORK	Dryden.....	.b
KOLT	Effingham.....	.b	KORL	Haleakala.....	.b
KOLV	Palisades.....	.b	KORM	Jadden.....	.b
KOLX	Cranford.....	.b	KORP	Monomac.....	.b
KOLZ	Lake Getaway.....	.b	KORQ	Vinton County.....	.b
KOM	Trontolite.....	.b	KORS	Manham.....	.b
KOMB	Lake Gert.....	.b	KORT	Hancock County.....	.b
KOMC	Lake Flattery.....	.b	KORV	Wildwood.....	.b
KOMD	Deuel.....	.b	KORX	Cliffwood.....	.b
KOMF	Bartholomew.....	.b	KOS	Lake Saba.....	.b
KOMG	Whitemarsh.....	.b	KOSC	Tenakee, Alaska.....	c
KOMK	Lycoming.....	.b	KOSD	Nile.....	b
KOML	J. R. Gordon.....	.b	KOSF	Monroe.....	b
KOMM	Scottsburg.....	.b	KOSG	Rapidan.....	b
KOMN	San Antonio.....	.b	KOSJ	Danville.....	b
KOMP	Coahoma County.....	.b	KOSL	West Kader.....	b
KOMQ	Afounria.....	.b	KOSM	City of St. Joseph.....	b
KOMR	Ashland County.....	.b	KOSN	John Roach.....	b
KOMS	Henry County.....	.b	KOSQ	Lake Treba.....	b
KOMT	Efina.....	.b	KOSR	Lake Elsa.....	b
KOMV	Montague.....	.b	KOSS	John Adams.....	b
KOMX	Peekskill.....	.b	KOST	Chester Valley.....	b
KOMZ	Coskata.....	.b	KOSV	Kenowis.....	b
KONB	Cushnet.....	.b	KOSX	Hartford.....	b
KONC	Cuttyhunk.....	.b	KOT	Kanak.....	b
KOND	Indiana Bridge.....	.b	KOTB	Lake Falun.....	b
KONG	Margus.....	.b	KOTD	Cross Keys.....	b
KONJ	Massillon Bridge.....	.b	KOTF	Mitchell.....	b
KONK	Northwestern Bridge.....	.b	KOTG	West Jena.....	b
KONL	Fargo.....	.b	KOTJ	Lake Slavi.....	b
KONM	La Crosse.....	.b	KOTK	West Neris.....	b
KONN	Sioux Falls.....	.b	KOTL	Vinita.....	b
KONP	Lansdowne.....	.b	KOTM	Robin Hood.....	b
KONQ	Andrew Jackson.....	.b	KOTN	West Hesseltine.....	b
KONR	Antietam.....	.b	KOTP	Wista.....	b
KONS	Lake Strymon.....	.b	KOTQ	Red Mountain.....	b
KONT	Lake Elmshore.....	.b	KOTR	West Montop.....	b
KONV	Lake Filbert.....	.b	KOTT	Lake Fem.....	b
KONX	Detroit-Wayne.....	.b	KOTV	Franklin County.....	b
KONZ	City of Alton.....	.b	KOTX	Delanson.....	b
KOPB	Lake Fernalda.....	.b	KOTZ	Benowa.....	b
KOPC	Bavington.....	.b	KOU	Tidewater.....	b
KOPD	Dannedaifke.....	.b	KOV	Kwiguk Slough, Alaska.....	c
KOPF	Massick.....	.b	KOVF	Gulftrade.....	b
KOPG	Minnewawa.....	.b	KOVG	Lake Tippah.....	b
KOPJ	Terre Haute.....	.b	KOVD	Maquan.....	b
KOPK	Circinus.....	.b	KOVH	Amcross.....	b
KOPL	Corvus.....	.b	KOVJ	Lake Elmsford.....	b
KOPM	Nika.....	.b	KOVK	Dilworth.....	b
KOPP	Eastern Breeze.....	.b	KOVL	Lake Fandango.....	b
KOPQ	Bellflower.....	.b	KOVM	Robin Adair.....	b
KOPR	Kearny.....	.b	KOVN	E. A. Morse.....	b
KOPS	Coolcha.....	.b	KOVP	Clarksburg.....	b
KOPT	Eglantine.....	.b	KOVQ	Elfay.....	b
KOPV	Lake Fillion.....	.b	KOVR	Abercos.....	b
KOPX	Mopang.....	.b	KOVS	Lake Fandon.....	b
KOPZ	Centaurus.....	.b	KOVT	Coeur D'Alene.....	b
KOQ	Manoa.....	.b	KOVV	Colededa.....	b
KOQB	Clauseus.....	.b	KOVX	Tampa.....	b
KOQC	Hagan.....	.b	KOVZ	I. J. Merritt.....	b
KOQD	Hagood.....	.b	KOW	Mascotte.....	b
KOQF	Tri Mountain.....	.b	KOX	Henry M. Flagler.....	b
KOQG	Lake Elmott.....	.b	KOXB	Haslehurst.....	b
KOQJ	Casey.....	.b	KOXC	Suwied.....	b
KOQK	Coldbrook.....	.b	KOXD	Tashmoo.....	b
KOQL	George C. Greer.....	.b	KOXF	Tekoa.....	b
KOQM	Stand tug No. 1.....	.b	KOXA	Toledo Bridge.....	b
KOQP	McCreary County.....	.b	KOXB	Tona.....	b
KOQQ	West Ivis.....	.b	KOXX	Tonesit.....	b
KOQS	Egremont.....	.b	KOXL	Tuladi.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KOXM	Vincennes Bridge.	b	KQUE	Lancaster.....
KOZN	Pirate Cove, Alaska.....	c	KQUO	Lake Chelan.....
KOXP	Von Steuben.....	b	KQUU	West Gambo.....
KOXQ	Agememnon.....	b	KQX	Persian.....
KOXR	Tampico.....	b	KQY	Edward J. Lawrence.....
KOXS	West Jessup.....	b	KQZ	City of Rome.....
KOXT	Robin Gray.....	b	KRA	Freeport Sulphur No. 1.....
KOXX	Roanoke.....	b	KRAA	West Coast.....
KOXX	Steelmaker.....	b	KRAE	Mauban.....
KOZX	Steel Age.....	b	KRB	Governor Cobb.....
KOY	Herbert L. Pratt.....	b	KRC	Camden.....
KOZ	Miami.....	b	KRD	Belfast.....
KOZB	City of Omaha.....	b	KREA	Cape Romain.....
KOZC	Aeolus.....	b	KREE	Gulfport.....
KOZD	Rockport.....	b	KREI	Lake Washburn.....
KOZF	Tenafly.....	b	KREO	Lake Mary.....
KOZG	Moravia Bridge.....	b	KRF	Ransom B. Fuller.....
KOZJ	West Niger.....	b	KRG	Freeport Sulphur No. 2.....
KOZK	West Hika.....	b	KRH	City of Bangor.....
KOZL	Quaker City.....	b	KRI	City of Rockland.....
KOZM	Miskianza.....	b	KRII	Lake Daraga.....
KOZN	Minooka.....	b	KRIU	Lake Elsinore.....
KOZP	Vigilant.....	b	KRJ	Liberator.....
KOZQ	City of Berkeley.....	b	KRK	Relief.....
KOZR	Culbura.....	b	KRL	Oswego.....
KOZS	West Ivan.....	b	KRM	Resolute.....
KOZT	Lake Elmwood.....	b	KRO	Calvin Austin.....
KOZV	William H. Webb.....	b	KROE	Brammell Point.....
KOZX	Norumbega.....	b	KROI	Aniwa.....
KOZZ	Collamer.....	b	KROU	Wampum.....
KPA	Seattle, Wash.....	c	KRP	Garibaldi.....
KPAI	Point Judith.....	b	KRU	Rescue.....
KPD	W. H. Tilford.....	b	KRQ	Manitowoc.....
KPE	Seattle, Wash.....	c	KRR	C. A. Snider.....
KPF	General O. H. Ernst.....	b	KRS	Paulsboro.....
KPG	General H. F. Hodges.....	b	KRT	San Francisco.....
KPH	Bolinas, Calif.....	c	KRU	Fordonian.....
KPK	Standtow No. 2.....	b	KRUI	Santa Flavia.....
KPL	Moonlite.....	b	KRUO	Wakulla.....
KPO	Standtow No. 1.....	b	KRUU	Socony 88.....
KPOU	Salmon.....	b	KRV	Governor Dingley.....
KPP	Dawnlite.....	b	KRW	Sierra.....
KPQ	Sunlite.....	b	KRZ	Sudbury.....
KPR	Daylite.....	b	KSA	Standard II.....
KPS	Benjamin Brewster.....	b	KSAA	Socony 89.....
KPT	Achilles.....	b	KSAE	Rose Mahoney.....
KPU	Ulysses.....	b	KSAI	Capines.....
KQA	Harry Farnum.....	b	KSAO	Lake Conesus.....
KQAI	Wallowa.....	b	KSB	J. E. O'Neil.....
KQB	Walter Hardcastle.....	b	KSBV	Shipping Board (general call for all vessels).
KQC	Cretan.....	b	KSC	Chinampa.....
KQD	Dorchester.....	b	KSEA	Absecon.....
KQE	Essex.....	b	KSEE	Mineola.....
KQEE	Anoka.....	b	KSEI	Eastern Chief.....
KQE0	Lake Charlotte.....	b	KSEU	Jonancy.....
KQF	Gene Crawley.....	b	KSF	Finland.....
KQG	Gloucester.....	b	KSG	Baton Rouge.....
KQH	Howard.....	b	KSH	Kroonland.....
KQI	Keresaspa.....	b	KSI	H. H. Rogers.....
KQJE	Farnam.....	b	KSIE	Glen White.....
KQII	Santa Olivia.....	b	KSII	Lake Catherine.....
KQIO	Deranof.....	b	KSIO	Argonne.....
KQIU	West Ekonk.....	b	KSIU	Lake Benton.....
KQJ	Junilata.....	b	KSJ	Security.....
KQK	Kershaw.....	b	KSK	Caddo.....
KQM	Merrimack.....	b	KSM	Philadelphia.....
KQN	Nantucket.....	b	KSN	New York.....
KQO	Ontario.....	b	KSO	St. Paul.....
KQOa	.....	b	KSOA	Polar Sea.....
KQOA	Anacortes.....	b	KSOC	Standard Oil Co. (general call for all vessels).
KQOE	Delight.....	b	KSOE	Lake Eckhart.....
KQOI	Western Light.....	b	KSOI	Lake Wimico.....
KQOO	Western Maid.....	b	KSOO	Lake Duncan.....
KQP	Mount Sidney.....	b	KSOU	Bylavl.....
KQQ	Quanticco.....	b	KSP	Caloria.....
KQR	Grecian.....	b		
KQS	Washington Bay, Alaska.....	c		
KQU	Ruth E. Merrill.....	b		
KQUA	Allies.....	b		

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.	
KSQ	Charles Prat.	b	KUCK	Wauwatosa.
KSR	Bayway.	b	KUCL	Hudsonian.
KST	Princeton.	b	KUCM	Lake Ikatan.
KSU	Somerset.	b	KUCN	Eastern Guide.
KSUA	F. D. Asche.	b	KUCP	Chisik Island, Alaska.
KSV	Standard Arrow.	b	KUCQ	City of Alameda.
KSW	Royal Arrow.	b	KUCR	Lake Giddings.
KSX	Sylvan Arrow.	b	KUCS	City of Sherman.
KSY	Broad Arrow.	b	KUCV	City of Flint.
KSZ	Cora F. Cressy.	b	KUCX	Coldwater.
KTAA	Alloway.	b	KUCZ	Lake Fillmore.
KTAI	Lake Eliko.	b	KUD	Gulfland.
KTAO	Lake Frances.	b	KUDC	Tuscan.
KTAU	Eastern Star.	b	KUDD	Argon.
KTB	Gulfstream.	b	KUDG	West Jester.
KTC	Shenango.	b	KUDJ	Mehanno.
KTD	Ligonier.	b	KUDK	West Cadron.
KTE	Winifred.	b	KUDL	Willsolo.
KTEA	Eastern Sea.	b	KUDM	Lake Elwin.
KTEE	Western Cross.	b	KUDN	American Press.
KTEI	Winnebago.	b	KUDP	Clontarf.
KTF	J. M. Guffey.	b	KUDQ	West Himrod.
KTG	Gulffoil.	b	KUDR	Davenport.
KTH	Robert P. Clark.	b	KUDS	Rushville.
KTI	Brilliant.	b	KUDT	Pilot Point, Alaska.
KTIE	Eastern Sun.	b	KUDV	Becharof, Alaska.
KTIO	Fresno.	b	KUDX	Eastern Moon.
KTIU	Lake Blanchester.	b	KUDZ	Eastern Gale.
KTJ	Comet.	b	KUE	Gulfcoast.
KTL	Rayo.	b	KUF	Mundelta.
KTM	Eocene.	b	KUFB	Eastern Knight.
KTN	Perfection.	b	KUFD	Lake Floravista.
KTO	John D. Rockefeller.	b	KUFF	Lake Florian.
KTOA	Lake Narka.	b	KUFG	Lake Floris.
KTOE	Mary.	b	KUFJ	Lake Flounroy.
KTOI	Catherine.	b	KUFK	West Nilus.
KTOO	Lake Yemassee.	b	KUFN	Great Falls.
KTOU	Lake Markham.	b	KUFP	Steel Voyager.
KTP	James McGee.	b		Bethlehem Shipbuilding Corp. (special).
KTQ	City of Everett.	b		West Campgaw.
KTR	Radiant.	b		Ossa.
KTS	Vesta.	b		Munplace.
KTT	Paraguay.	b		Eastern Mariner.
KTU	Sun.	b		Boobyalla.
KTUA	Lake Ledan.	b		Clearwater.
KTUE	Lake Bledsoe.	b		Clemence C. Morse.
KTUI	Lake Pepin.	b		Sioux City.
KTUO	Sagadahoc.	b		Lake Galisteo.
KTUU	Lake Pachuta.	b		Ripon.
KTV	Dulcino.	b		Lake Haresti.
KTX	Socony.	b		Seminole.
KTY	W. C. Teagle.	b		Star of Holland.
KTZ	Brindilla.	b		Summerleaf.
KUA	Gulfflight.	b		Blue Triangle.
KUB	Gulfmaid.	b		Jomar.
KUBB	Cold Harbor.	b		Willhilo.
KUBC	Laramie.	b		Mason City.
KUBD	Claremont.	b		Maddequet.
KUBF	San Diego.	b		Munwood.
KUBG	Betterton.	b		Munamar.
KUBJ	Liberty Minquas.	b		Mundale.
KUBK	Bearport.	b		The Angeles.
KUBL	Pawlet.	b		Bayport.
KUBM	St. Anthony.	b		Baddacock.
KUBN	Robin Goodfellow.	b		Kerhonkson.
KUBP	City of Alma.	b		Havilah.
KUBR	Lake Elva.	b		Ozmo.
KUBS	Indiana Harbor.	b		Hutchinson.
KUBT	Lake Feodora.	b		Ethan Allen.
KUBV	Higo.	b		City of Joilet.
KUBX	Koggitung (permanently moored scow).	e		Winston-Salem.
KUBZ	Dellwood.	b		Eastern Belle.
KUC	Gulf of Mexico.	b		Eastern Crag.
KUCB	New England.	b		Liberty Bell.
KUCC	Plow City.	b		Quabbin.
KUCD	Riverside Bridge.	b		Munsomo.
KUCF	Virginia Bridge.	b		Aragon.
KUCG	Des Moines Bridge.	b		Schuylkill Bridge.
KUCJ	Holyoke Bridge.	b		

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KUKD	East Chicago.....	b	KUPP	Cubore.....
KUKF	Fort Armstrong.....	b	KUPQ	Ogden, Utah.....
KUKG	Anthracite Bridge.....	b	KUPS	Naugus.....
KUKJ	West Jappa.....	b	KUPT	Waterbury.....
KUKK	Noddle Island.....	b	KUPV	Kehuku.....
KUKL	Pittsburgh Bridge.....	b	KUPX	Hawarden.....
KUKM	Tancarville.....	b	KUQ	Maine.....
KUKN	Louise.....	b	KUQB	Fueloil.....
KUKP	Mohinkis.....	b	KUQC	Panoil.....
KUKQ	Selma.....	b	KUQD	Crudoil.....
KUKR	Latham.....	b	KUQF	Martha Washington.....
KUKS	Eastern Merchant.....	b	KUQG	Padnsey.....
KUKT	Conejos.....	b	KUQJ	West Nivarla.....
KUKV	West Hixton.....	b	KUQK	West Keats.....
KUKX	Collingsworth.....	b	KUQL	Pulaski.....
KUL	Louisiana.....	b	KUQM	Las Vegas.....
KULB	Pinellas.....	b	KUQN	J. F. Penrose.....
KULC	Chickamauga.....	b	KUQP	Unicoi.....
KULD	Lake Geyser.....	b	KUQQ	Conehatta.....
KULF	Fishkill.....	b	KUQR	Everett.....
KULG	Darien.....	b	KUQS	Margaret.....
KULJ	Eastern Pilot.....	b	KUQT	Easterri Dawn.....
KULK	Eastern Trader.....	b	KUQX	Juvigny.....
KULL	Donalk McKay.....	b	KUQZ	Montfaucon.....
KULM	Ario.....	b	KUR	Georgia.....
KULN	Arizpa.....	b	KURB	Hinckley.....
KULP	Toopi.....	b	KURC	Cathwood.....
KULQ	Pylos.....	b	KURD	Arcturus.....
KULR	Vallonia.....	b	KURF	Chappaqua.....
KULS	Outagamie.....	b	KURG	Artigas.....
KULT	Commack.....	b	KURJ	J. L. Reiss.....
KULV	San Juan.....	b	KURK	Fleetco.....
KULX	Otho.....	b	KURL	John R. Gibbons.....
KULZ	Lyndonia.....	b	KURM	Easterri Admiral.....
KUM	Texas.....	b	KURN	Manatee.....
KUMB	Lake Ganado.....	b	KURP	Salaam.....
KUMC	Utacarbon.....	b	KURR	Henry Steers.....
KUMF	Dunsyre.....	b	KURS	Pilgrim.....
KUMG	Homer.....	b	KURT	Brookline.....
KUMK	Freeport Sulphur No. 5.....	b	KURV	Ohonkara.....
KUML	Oklahoma City.....	b	KURX	Eastern Coast.....
KUMM	West Calera.....	b	KURZ	Suboatco.....
KUMN	Portola Plumas.....	b	KUS	Florida.....
KUMQ	Commerant.....	b	KUSB	Suedco.....
KUMR	Colthraprs.....	b	KUSC	Sunelsecos.....
KUMS	Atlantic Sun.....	b	KUSD	Huron.....
KUMT	Solitaire.....	b	KUSF	Capital of Nebraska.....
KUMV	Lake Glaucus.....	b	KUSG	West Nomentum.....
KUMX	Lake Flag.....	b	KUSJ	Occidental.....
KUMZ	Lake Hector.....	b	KUSK	City of Reno.....
KUN	Neptune.....	b	KUSL	Pioneer.....
KUNB	Lake Harminia.....	b	KUSM	John F. Hyland.....
KUNC	Lake Gunn.....	b	KUSN	Aquarius.....
KUND	Eastern Glade.....	b	KUSP	Crown City.....
KUNF	Eastern Ocean.....	b	KUSQ	Eastern Cloud.....
KUNG	Union Liberty.....	b	KUSR	Nemaha.....
KUNJ	Evergreen City.....	b	KUSS	William A. Whitney.....
KUNK	Neshobee.....	b	KUST	West Camak.....
KUNL	Oronoke.....	b	KUSV	Mattole.....
KUNM	Wheeling Mold.....	b	KUSX	Baccarat.....
KUNN	Jennie R. Morse.....	b	KUSZ	Adria.....
KUNP	Freeport Sulphur No. 6.....	b	KUT	Pan-American.....
KUNQ	Eastern Crown.....	b	KUTK	Haxtum.....
KUNR	Eastern Victor.....	b	KUTB	West Mahwah.....
KUNS	City of Vernon.....	b	KUTC	Anna E. Morse.....
KUNT	George B. MacKenzie.....	b	KUTD	Easterri Maid.....
KUNV	Winona.....	b	KUTF	Delrosa.....
KUNZ	Chickasaw City.....	b	KUTG	Pallas.....
KUP	Pennsylvania.....	b	KUTJ	City of Lordsburg.....
KUPB	Italia.....	b	KUTM	John P. Reiss.....
KUPC	Pinthis.....	b	KUTN	Christabel.....
KUPD	Eastern Planet.....	b	KUTP	Canco.....
KUPF	Hahatonka.....	b	KUTQ	Iroquois.....
KUPG	Greenland.....	b	KUTR	Springfield.....
KUPJ	West Cahokia.....	b	KUTS	Vacuum.....
KUPK	Darden.....	b	KUTT	Birmingham City.....
KUPL	Connex Peak.....	b	KUTV	Lake Furnas.....
KUPM	Patrick Henry.....	b	KUTX	Richconcal.....
KUPN	Capillo.....	b	KUTZ	Rochester.....

**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.**

Call signal.	Station.		Call signal.	Station.
KUU	Brabant.	.b	KVO	Sagua.....
KUV	Virginia.....	.b	KVOE	Lake Garza.....
KUVB	Eastern Glen.	.b	KVOI	Lake Gaspar.....
KUVC	City of Weatherford.	.b	KVOO	Lake Yelverton.....
KUVD	Argus.....	.b	KVOU	Lake Gakona.....
KUVF	Sebonac.....	.b	KVP	Charles Braley.....
KUVG	Eastern Tempest.	.b	KVR	El'nor.....
KUVJ	Agron.....	.b	KVS	Gulf Queen.....
KUVK	Steel Mariner.	.b	KVUA	Lake Ormoc.....
KUVL	Steel Trader.	.b	KVUE	Lake Akkra.....
KUVM	Iloilo, P. I.	.c	KVUO	Lake Gedney.....
KUVP	Hastnai.	.b	KVUU	Lake Hewes.....
KUVQ	Johnswood, Mich.	.c	KVV	Koggiung, Alaska.....
KUVR	Jordan, Mont.	.c	KVX	Allagash.....
KUVT	Jolee.....	.b	KVY	William Isom.....
KUVV	Cardonia.	.b	KVZ	Relay.....
KUVX	Half Moon.	.b	<b>KWA</b>	Mt. Vernon Bridge.....
KUVZ	West Narranus.	.b	KWB	Fort Pitt Bridge.....
KUW	New York.	.b	KWC	Morro Castle.....
KUX	Munalbro.	.b	KWD	Antilla.....
KUXB	West Holbrook.	.b	KWE	Santiago.....
KUXC	San Pasqual.	.b	KWF	Cauto.....
KUXD	Cuyamaca.	.b	KWH	Port Chatham, Alaska.....
KUXF	Loretta.	.b	KWI	Camaguey.....
KUXG	Malangas, P. I.	.c	KWJ	Yucca.....
KUXJ	Cebu, P. I.	.c	KWK	W. B. Keene.....
KUXK	Batangas, P. I.	.c	KWL	Yadkin.....
KUXL	Tippecanoe.	.b	KWM	Panuco.....
KUXM	Cheboygan, Mich.	.c	KWN	Guantanamo.....
KUXN	Miles City, Mont.	.c	KWO	Port Beauclaire, Alaska.....
KUXP	Dallas, Tex.	.b	KWP	Sunoil.....
KUXQ	Wichita Falls, Tex.	.c	KWQ	Saltchuck, Alaska.....
KUXR	John Jay.	.b	KWR	Port Moller, Alaska.....
KUXS	Agylla.	.b	KWS	Lost Harbor, Alaska.....
KUXT	Long Beach, Calif.	.c	KWT	Palo Alto, Calif.....
KUXT	Pedroccitas, Calif.	.c	KWU	Katrina Luckenbach.....
KUXZ	Honnedaga.	.b	KWW	Sacramento.....
KUZ	Coastwise.	.b	KWW	Radioville, Alaska.....
KUZB	Cristina.	.b	KWX	Mexico.....
KUZC	Hahira.	.b	KWY	Monterey.....
KUZD	Jim Sid.	.b	KWZ	Esperanza.....
KUZF	Suholco.	.b	<b>KXA</b>	Boston.....
KUZG	Sutransco.	.b	KXAA	Lake Alvada.....
KUZJ	Suelco.	.b	KXAE	Lake Delancy.....
KUZK	Suportco.	.b	KXAI	Lake Galera.....
KUZL	Anahuac.	.b	KXAO	Lake Otsquago.....
KUZM	Quillwark.	.b	KXAU	Lake Harris.....
KUZN	Pansa.	.b	KXB	City of Lowell.....
KUZP	Hayden.	.b	KXC	Commonwealth.....
KUZQ	Salina.	.b	KXE	Mohawk.....
KUZR	Capulin.	.b	KXEA	Lake Pleasant.....
KUZS	Ensley City.	.b	KXEE	Lake Marion.....
KUZT	Eastern Sailor.	.b	KXEI	Lake Sanford.....
KUZV	Dunganon.	.b	KXEO	Lake Gardner.....
KUZX	Carib.	.b	KXEU	Lakeville.....
KUZZ	Cayo Mambi.	.b	KXF	New Hampshire.....
<b>KVA</b>	Apache.	.b	KXG	Archer.....
KVAA	Lake Osweya.	.b	KXH	Plymouth.....
KVAE	Lake Benbow.	.b	KXI	Priscilla.....
KVAI	Socony 82.	.b	KXIE	Calaveras.....
KVAO	Socony 83.	.b	KXII	Calicrock.....
KVB	Arapahoe.	.b	KXIO	Calispell.....
KVC	Comanche.	.b	KXIU	Lake Calistoga.....
KVD	Munrino.	.b	KXJ	Providence.....
KVE	Munindies.	.b	KXK	Funter, Alaska.....
KVEA	Bellota.	.b	KXL	City of Taunton.....
KVEI	West Galoc.	.b	KXM	Mohegan.....
KVF	Iroquois.	.b	KXN	New Haven.....
KVG	Chestnut Hill.	.b	KXO	City of Brockton.....
KVH	Huron.	.b	KXOA	Star of Lapland.....
KVII	Montclair.	.b	KXOE	Severance.....
KVIO	Lake Pearl.	.b	KXOI	Standard.....
KVIU	Allentown.	.b	KXOU	Lake Lesa.....
KVI	Unga Island, Alaska.	.c	KXP	Pequonnock.....
KVJ	Walter D. Munson.	.b	KXQ	Chester W. Chapin.....
KVK	Cherokee.	.b	KXR	Richard Peck.....
KVL	Lenape.	.b	KXS	Boston.....
KVM	Mohawk.	.b	KXT	Fairmont.....
KVN	Tanamo.	.b	KXU	Westfield.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KXUA	Lake Geneva	b	WAJ	Jefferson
KXUE	Eastern Queen	b	WAK	Valdez
KXUI	Lake Lillian	b	WAL	Santa Ana
KXUO	Admiral Sims	b	WAM	Juneau
KXUU	Coyote	b	WAN	Northwestern
KXV	Nelson Lagoon, Alaska	c	WAO	Rajah
KXW	Ikatan, Alaska	c	WAP	Lake Crescent
KXX	Stephen R. Jones	b	WAQ	Democracy
KXY	Lewis K. Thurlow	b	WAR	Cordova
KXZ	Felix Taussig	b	WAS	Chester Sun
KYA	Kanawha	b	WAT	Skagway
KYB	North Wind	b	WAU	Point Loma
KYC	Corsair	b	WAV	Philippines
KYD	Mount Baker	b	WAW	Admiral Watson
KYE	Casiana	b	WAX	Bella
KYF	McClellan	b	WAY	Admiral Dewey
KYH	Aloha	b	WAZ	Admiral Schley
KYK	Karluk, Alaska	c	WBA	Santa Clara
KYL	Alitak, Alaska	c	WBAI	Heffron
KYM	Armenia	b	WBB	Santa Cecilia
KYO	Noma	b	WBC	East Morales, N. Y.
KYP	Oneida	b	WBD	Santa Cruz
KYR	Undaunted	b	WBE	Cadique
KYS	Yosemite	b	WBFI	Airlie
KYT	Redondo	b	WBF	Boston, Mass
KYU	Mohawk	b	WBG	Venezuela
KYV	Ascutney	b	WBH	Colombia
KYX	Wana	b	WBIA	Chichung
KYZ	Thorobred	b	WBJ	Santa Barbara
KZA	Alberta	b	WBK	Saucon
KZAA	Middlebury	b	WBM	Redondo
KZAE	Lake Linden	b	WBN	Ecuador
KZAI	Lake Winthrop	b	WBO	Santa Rosa
KZAO	Lake Wilson	b	WPB	Hermosa
KZAU	Lake Yahara	b	WBQ	Santa Paula
KZB	Alicia	b	WBR	Santa Rita
KZD	Cornelia	b	WBUA	Lake Gravity
KZEA	Keketticut	b	WBUE	Lake Greenbrier
KZEE	Lake Berdan	b	WBUI	Lake Gretna
KZEI	Lake Dymer	b	WBUE	Lake Grogan
KZEO	Lake Dancey	b	WBUU	Lake Forney
KZEU	Lake Agomak	b	WBV	Cabrillo
KZF	Edith	b	WBW	Burrwood, La.
KZG	Carolyn	b	WBX	Santa Ana
KZH	Helen	b	WCA	Tionesta
KZIA	Lake Aurice	b	WCB	Juniata
KZIE	Lake Winooski	b	WCC	Chatham, Mass
KZII	Lake Belnona	b	WCE	Parthian
KZIO	Lake Lileicusun	b	WCEE	Kuwa
KZIU	Sagaporack	b	WCF	Favorite
KZJ	Jean	b	WCG	Brooklyn, N. Y.
KZK	Hilton	b	WCH	Huron
KZL	Halcyon	b	WCI	Newport, R. I.
KZO	Margaret	b	WCIA	Bellingham
KZOA	Lake Medford	b	WCIE	Eastport
KZOE	Lake Arline	b	WCII	Invincible
KZOI	Lake Helen	b	WCIO	Lake Lemando
KZOO	Lake Indian	b	WCII	Naiwa
EZOU	Lake Orange	b	WCL	Westchester
KZP	Evelyn	b	WCO	Wyandotte
KZQ	Ruth	b	WCOE	Socony S4
KZR	Remlik III	b	WCOI	Socony 92
KZS	Santanta	b	WCOO	Liberty
KZT	Everett	b	WCOU	Lake Kytle
KZU	United States	b	WCP	Casco
KZUI	Oneco	b	WCR	The Harvester
KZUE	Kosciusko	b	WCS	Alpena
KZUU	Lake Louise	b	WCT	Theodore Roosevelt
KZV	Malden	b	WCU	Conneaut
KZW	Melrose	b	WCUA	Lake Forsby
KZX	Newton	b	WCUE	Lake Fossil
<b>WAA</b>	Alameda	b	WCUO	Lake Franconia
WAB	Saugerties	b	WCUU	Lake Fray
WAC	Chicago	b	WCV	The Limit
WAD	Victoria	b	WCW	Woonsocket
WAE	Ketchikan	b	WCX	Cleveland, Ohio
WAF	Admiral Farragut	b	WCY	Cape May, N. J.
WAG	Admiral Sebree	b	WCZ	Illinois
WAH	Dora	b	<b>WDA</b>	Pere Marquette
WAH	Latouche	b	WDIA	Herman Winter

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.	Call signal.	Station.		
WDB	Pere Marquette 19.....	b	WFN	Lake Butler.....	.b
WDC	Pere Marquette 17.....	b	WFOA	Hickman.....	.b
WDD	Pere Marquette 18.....	b	WFOE	Lewis Luckenbach.....	.b
WDE	Pere Marquette 20.....	b	WFOI	Osakis.....	.b
WDEI	Crawl Keys.....	b	WFOO	William N. Page.....	.b
WDEO	Steadfast.....	b	WFOU	Phoenix Bridge.....	.b
WDEU	Bayamo.....	b	WF	City of Erie.....	.b
WDF	Astmaheco IV.....	b	WFQ	City of Buffalo.....	.b
WDG	Otsego.....	b	WFR	State of Ohio.....	.b
WDH	Petoskey.....	b	WF S	Seinandbee.....	.b
WDI	City of Miami.....	b	WFT	Charles O. Jenkins.....	.b
WDIA	South Pole.....	b	WFU	F. B. Squire.....	.b
WDIE	Watheena.....	b	WFUA	Lake Freezout.....	.b
WDII	Watowan.....	b	WFU	Lake Frenchton.....	.b
WDIO	Westmead.....	b	WFUI	A. E. R. Schneider.....	.b
WDIU	West View.....	b	WFUU	Oshkosh.....	.b
WDJ	Fall River Mills, Calif.....	c	WFV	Sir Thomas Shaughnessy.....	.b
WDK	Susanville, Calif.....	c	WFW	Manitou.....	.b
WDL	Lakeland.....	c	WFX	Missouri.....	.b
WDN	Ann Arbor No. 3.....	b	WFY	Sialia.....	.b
WDO	Ann Arbor No. 4.....	b	WFZ	Coronado.....	.b
WDOA	Agwidale.....	b	WGA	City of Seattle.....	.b
WDOE	Auburn.....	b	WGAA	Englewood.....	.b
WDOI	Cape May.....	b	WGAE	Galesburg.....	.b
WDOO	Federal.....	b	WGAI	Morristown.....	.b
WDOU	Fort Wayne.....	b	WGAO	Shreveport.....	.b
WDP	Ann Arbor No. 5.....	b	WGB	Astmaheco III.....	.b
WDQ	Ann Arbor No. 6.....	b	WGC	W. F. White.....	.b
WDR	Detroit, Mich.....	c	WGD	Oregon.....	.b
WDS	City of Grand Rapids.....	b	WGE	Spokane.....	.b
WDU	Puritan.....	b	WGEA	Easterner.....	.b
WDUA	Lake Frazee.....	b	WGEI	East Indian.....	.b
WDUI	Lake Freeborn.....	b	WGG	Tuckerton, N. J.....	c
WDUO	Lake Freed.....	b	WGIA	West Gramma.....	.b
WDUU	Lake Freeland.....	b	WGIE	Nantahala.....	.b
WDV	City of Benton Harbor.....	b	WGJ	Northland.....	.b
wdx	Lake Tulare.....	b	WGK	Curacao.....	.b
WEA	City of Cleveland III.....	b	WGN	Carl D. Bradley.....	.b
WEB	City of Mackinac II.....	b	WGO	Chicago, Ill.....	c
WEC	City of Detroit II.....	b	WGOE	Polar Bear.....	.b
WED	Western States.....	b	WGOI	Saccarappa.....	.b
WEE	Eastern States.....	b	WGOO	Waubesa.....	.b
WEF	City of Detroit III.....	b	WGOU	West Cressy.....	.b
WEG	City of St. Ignace.....	b	WGP	President.....	.b
WEH	City of Alpena II.....	b	WGQ	City of Puebla.....	.b
WEI	E. J. Earling.....	b	WGS	Senator.....	.b
WEJ	Samuel Mitchell.....	b	WGT	Western Pride.....	.b
WEK	Minnesota.....	b	WGUA	Oskawa.....	.b
WEL	C. A. Smith.....	b	WGUI	Brandywine.....	.b
WEM	Susquehanna.....	b	WGW	Mount Sterling.....	.b
WEN	North American.....	b	WG X	Queen.....	.b
WEQ	South American.....	b	WGZ	Guardian.....	.b
WEQ	Western King.....	b	WHA	New York, N. Y.....	c
WER	Montrolite.....	b	WHC	Columbia.....	.b
WES	Puget Sound.....	b	WHE	Philadelphia, Pa.....	c
WET	Point Adams.....	b	WHF	Callao.....	.b
WEU	West Gotomiska.....	b	WHG	W. F. Burrows.....	.b
WEX	Western Star.....	b	WHH	Mount Shasta.....	.b
WEZ	Marquette & Bessemer No. 2.....	b	WHI	New York, N. Y.....	c
WEZ	Ashtabula.....	b	WHJ	Gdansk.....	.b
WFA	Georgia.....	b	WHL	Ventura.....	.b
WFAE	West Galeta.....	b	WHM	Sonoma.....	.b
WFAI	West Hobomac.....	b	WHP	Point Arena.....	.b
WFAO	Volunteer.....	b	WHR	Abner Coburn.....	.b
WFB	Alabama.....	b	WHS	Stanley Dollar.....	b
WFC	Indiana.....	b	WHT	Whittier.....	.b
WFE	Carolina.....	b	WHV	Velero.....	.b
WFEA	Eastern King.....	b	WHX	Humboldt.....	.b
WFEF	Winding Gulf.....	b	WHZ	Johanna Smith.....	.b
WFEI	West Hosokie.....	b	WIA	Silver Shell.....	.b
WFEQ	Westport.....	b	WIB	Gold Shell.....	.b
WFEU	Matanzas.....	b	WIC	Pearl Shell.....	.b
WFF	Franklin.....	b	WID	Charles E. Harwood.....	.b
WFG	Arizona.....	b	WIE	Edward L. Doheny.....	.b
WFH	Avalon.....	b	WIF	Herbert G. Wylie.....	.b
WFIA	Western Hope.....	b	WIG	Norman Bridge.....	.b
WFII	Major Wheeler.....	b	WIH	C. A. Canfield.....	.b
WFJ	Christopher Columbus.....	b	WII	(New Brunswick, N. J. (transmitting).c (Belmar, N. J. (receiving).c	c

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## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
WIJ	Edward L. Doheny, jr.	b	WKUI	Western Belle.
WIN	Colusa.	b	WKUU	West Zeda.
WIQ	Frederic R. Kellogg.	b	WKV	Virginian.
WIS	E. R. Sterling.	b	WKX	Westward Ho.
WIT	George G. Henry.	b	WKW	Absaroka.
WIU	Restorer.	b	WKZ	Canoga.
WIV	Oscar D. Bennett.	b	<b>WLA</b>	Benj. F. Packard.
WIW	J. M. Danziger.	b	WLAA	Sarcoxie.
WIX	Harold Walker.	b	WLAE	Barlow.
WIY	William Green.	b	WLAI	Lake Grandon.
<b>WJA</b>	Andalusia.	b	WLAU	Lake Fluvanna.
WJAA	Sangamon.	b	WLC	New London, Conn.
WJAI	Yuma.	b	WLE	Maitland No. 1.
WJAO	M. J. Scanlon.	b	WLEA	Lake Farige.
WJB	Kermoor.	b	WLEE	Lake Faristell.
WJC	Mount Seward.	b	WLEI	Lake Forkville.
WJEA	Mojave.	b	WLEO	Lake Cathecoon.
WJEE	Red Cloud.	b	WLEU	Lake Fugard.
WJEI	Plainfield.	b	WLF	Coosa.
WJEQ	Phoenix.	b	WLG	Yucatan.
WJF	Teresa.	b	WLH	Fort Bragg.
WJG	Porto Rico.	b	WLI	Westbrook.
WJIA	West Zucker.	b	WLIA	Santa Teresa.
WJIE	Guimba.	b	WLII	Gore.
WJII	Oskaloosa.	b	WLIO	Nantasket.
WJIO	Independence.	b	WLJ	Monticello.
WJIU	Schenectady.	b	WLL	Greenwood.
WJJ	Florida.	b	WLM	Warszawa.
WJL	Wachusetts.	b	WLN	Black Arrow.
WJM	J. C. Donnell.	b	WLO	Orion.
WJN	Munaires.	b	WLOO	Cadaretta.
WJO	Nyanza.	b	WLOU	Barkhamstead.
WJOA	West Elcasco.	b	WLQ	Sabine Sun.
WJOE	West Eldara.	b	WLR	Floridian.
WJOI	West Loquassuck.	b	WLS	Princess Mateika.
WJOO	West Madaket.	b	WLT	Neuse.
WJOU	West Kyska.	b	WLW	Pawnee.
WJP	Tunica.	b	WLUI	Alamosa.
WJQ	Western Front.	b	WLWU	Alconca.
WJR	W. M. Tupper.	b	WLWU	Ingold.
WJS	Amphion.	b	WLV	Ida.
WJU	Osage.	b	WLX	Pequot.
WJUI	Cohasset.	b	WLY	Poznam.
WJUO	Magunkook.	b	<b>WIZ</b>	Montpellier.
WJV	Guaro.	b	<b>WMA</b>	Multnomah.
WJW	Wyandotte.	b	WMAA	Lake Furley.
WJZ	Newark, N. J.	c	WMAE	Cowanshannock.
<b>WKA</b>	Alaskan.	b	WMAI	Cowboy.
WKAЕ	Socony 85.	b	WMAO	Cowee.
WKAІ	Lake Zaliski.	b	WMD	West Shore.
WKAО	Lake Pickaway.	b	WMEA	Costilla.
WKAУ	Lake Copley.	b	WMEЕ	Cote Blanche.
WKB	Arizonan.	b	WMEI	Cotopaxi.
WKD	Dakotan.	b	WMEO	Cottonplant.
WKE	Kentuckian.	b	WMEU	Cottonwood.
WKEA	Lake Deval.	b	WMF	Cellio.
WKEE	Lake Cahoon.	b	WMG	Wapama.
WKEI	Lake Ypsilanti.	b	WMI	Minnesota.
WKEO	Goodspeed.	b	WMIO	W. H. McGean.
WKF	American.	b	WMIU	Charles L. Hutchinson.
WKG	S. M. Spalding.	b	WMJ	Ernest H. Meyer.
WKH	Hollywood.	b	WMK	Hyades.
WKII	Eastern Light.	b	WML	Lurline.
WKIO	Eastern Shore.	b	WMM	Freeman.
WKIU	Eastern Cross.	b	WMN	Enterprise.
WKJ	Iowan.	b	WMO	Wilhelmina.
WKK	Isaac L. Rice.	b	WMOA	Tillamook.
WKL	Mexican.	b	WMP	Matsonia.
WKM	Minnesotan.	b	WMQ	Manoa.
WKO	Oregonian.	b	WMR	Maui.
WKOО	Connersville.	b	WMS	Wahkeena.
WKOU	Central American.	b	WMT	Point Bonita.
WKP	Pennsylvanian.	b	WMUA	Wheaton.
WKQ	Ohioan.	b	WMUE	Cokato.
WKR	Panaman.	b	WMUI	Charlot.
WKS	West Arrow.	b	WMUO	Panola.
WKT	Texan.	b	WMV	Kermut.
WKU	Hawaiian.	b	WMY	A. M. Byers.

**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.**

Call signal.	Station.		Call signal.	Station.
WMZ	Honolulu.....	b	WQD	Hisko.....
WNAA	Craincreek.....	b	WQE	Harvey H. Brown.....
WNAE	Cranenest.....	b	WQE A	Lithopolis.....
WNAI	Craycroft.....	b	WQE E	Everglades.....
WNAO	Lake Callicoon.....	b	WQE O	West Zula.....
WNAU	Lake Fresco.....	b	WQE U	Canibas.....
WNB	El Capitan.....	b	WQF	Harry W. Croft.....
WNC	Wabash.....	b	WQG	Fayette Brown.....
WND	Windber.....	b	WQH	M. A. Bradley.....
WNE	Nushagak.....	b	WQI	Costa Rica.....
WNEA	Lake Charlottesville.....	b	WQIA	Mexoil.....
WNEO	Dio.....	b	WQII	Holbrook.....
WNF	Hattie Luckenbach.....	b	WQIO	Neponset.....
WNG	Otto M. Reiss.....	b	WQJ	Sarah Weems.....
WNH	Clemens A. Reiss.....	b	WQOA	Tipton.....
WNI	William A. Reiss.....	b	WQOE	Garfield.....
WNIE	Agawam.....	b	WQOI	Tolo.....
WNII	Challenger.....	b	WQQ	Rappahannock.....
WNIO	Python.....	b	WQR	Nansemond.....
WNIU	Cornucopia.....	b	WQS	Artemis.....
WNK	Richard J. Reiss.....	b	WQT	Watauga.....
WNL	Lake St. Clair.....	b	WQU	Cuba.....
WNM	Florence Luckenbach.....	b	WQUA	Cokesit.....
WNN	Belfast, Me.....	c	WQUE	Edgecombe.....
WNP	Pleiades.....	b	WQUO	Iconium.....
WNQ	Frederic Ewing.....	b	WQUU	Jacoma.....
WNR	Rush.....	b	WQW	Jeannette Skinner.....
WNS	Kvichak.....	b	WQZ	West Eagle.....
WNU	New Orleans, La.....	c	<b>WRA</b>	O. A. Hermanson.....
WNUO	Brookdale.....	b	WRAE	Alabama.....
WNV	Hatteras.....	b	WRAI	Allegheny.....
WNW	San Ramon.....	b	WRB	Berlin.....
WNX	Peter Reiss.....	b	WRC	Silverado.....
WNY	New Brunswick, N. J.....	c	WRD	D. G. Scofield.....
WNZ	F. J. Luckenbach.....	b	WRE	J. A. Moffett.....
<b>WOA</b>	Admiral Rodman.....	b	WREA	West Lashaway.....
WOD	Beaumont, Tex.....	c	WREE	Wauconda.....
WOF	Horace X. Baxter.....	b	WREI	Quisteonck.....
WOG	Fred Baxter.....	b	WREO	Zirkel.....
WOJ	Iris.....	b	WREU	Governor John Lind.....
WOL	Los Angeles.....	b	WRF	Amelia.....
WOM	William A. McKenney.....	b	WRG	Annetta.....
WON	La Brea.....	b	WRH	Harvard.....
WOP	Lake Elizabeth.....	b	WRI	Paraiso.....
WOT	Coalinga.....	b	WRI	Lake Gorin.....
WOV	Venetia.....	b	WRIO	Star I.....
WOW	Henry J. Biddle.....	b	WRJ	Admiral Goodrich.....
WOX	Levi G. Burgess.....	b	WRN	Siboney.....
WOY	Queen II.....	b	WRO	Middlesex.....
<b>WPAE</b>	Sag Harbor.....	b	WROA	Wes' pool.....
WPAI	Yomachichi.....	b	WROE	Indianapolis.....
WPAO	Wilscox.....	b	WROI	Lydia.....
WPC	Tyee.....	b	WROO	E. L. Doheny, 3rd.....
WPE	Tatoosh.....	b	WRS	Suffolk.....
WPH	S. M. Fischer.....	b	WRUO	Quittacas.....
WPI	Independent.....	b	WRV	Alliance.....
WPIE	Corrales.....	b	WRX	Ozama.....
WPII	Corsicana.....	b	WRY	Yale.....
WPIO	Lake Fostoria.....	b	WRZ	Rainier.....
WPIU	Lake Foucha.....	b	<b>WSA</b>	East Hampton, N. Y.....
WPJ	Mount Summit.....	b	WSAE	Apalachee.....
WPK	Florence Olson.....	b	WSAO	Alabat.....
WPL	Seafarer.....	b	WSC	Siasconset, Mass.....
WPN	Pioneer.....	b	WSD	Redwood.....
WPOO	Washtenaw.....	b	WSE	New York, N. Y. (see Babylon).....
WPOU	Charles M. Everest.....	b	WSEA	Defiance.....
WPQ	Zapora.....	b	WSEE	W. L. Steed.....
WPR	Ensenada, P. R.....	c	WSEI	Cricket.....
WPS	Starr.....	b	WSEO	Lake Fondulac.....
WPUE	Caddopeak.....	b	WSEU	Lake Buckeye.....
WPUI	Callabasas.....	b	WSF	Admiral Wainwright.....
WPUU	Cascade.....	b	WSG	Norwood.....
WPUU	Coaxet.....	b	WSI	Santa Inez.....
WPV	H. M. Whitney.....	b	WSJ	Santa Alicia.....
WPW	James S. Whitney.....	b	WSK	New York, N. Y.....
WPX	Oneonta.....	b	WSM	Fair Oaks.....
WPY	Wailula.....	b	WSO	{ Marion, Mass. (transmitting); Chatham, WQAU Hoosac.....
				Mass. (receiving).....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
WSOE	Mount Rainier.....	b	WVEU	Isanti.....
WSOI	West Sequana.....	b	WVIA	Lake Gormania.....
WSOO	Crathorne.....	b	WVIE	Yamhill.....
WSP	Westhampton.....	b	WVIU	Lake Govan.....
WSQ	Vizcaya.....	b	WVO	Davao, P. I.
WSR	Renue.....	b	WVOE	Couparal.....
WSS	St. Nicholas.....	b	WVOI	Courtois.....
WST	Rockland, Me. ....	c	WVOO	Coushatta.....
WSU	Republic.....	b	WVOU	Coutolene.....
WSUA	West Helix.....	b	WVS	Jolo, P. I.
WSUE	West Wauna.....	b	WVT	Malabang, P. I.
WSUI	West Wauneka.....	b	WVUA	Courageous.....
WSUU	Lake Gradan.....	b	WVUE	J. B. Stetson.....
WSW	Willamette.....	b	WVV	Puerto Princesa Paragua, P. I.
WSZ	Bremerton.....	b	WVW	Zamboanga, P. I.
<b>WTAA</b>	Lake Beacon.....	b	WVX	Cuyo, P. I.
WTAE	Lake Desha.....	b	WVY	San Jose, P. I.
WTAI	Lake Mattato.....	b	<b>WWA</b>	China.....
WTAO	Lake Licoco.....	b	WWC	Western Wave.....
WTC	Lansing.....	b	WWD	Arcadia.....
WTD	Oleum.....	b	WWE	Manchuria.....
WTE	Tamesi.....	b	WWF	City of Para.....
WTEE	Cedar Spring.....	b	WWH	Newport.....
WTEI	Ceralvo.....	b	WWK	Western Queen.....
WTEO	Cerosco.....	b	WWL	San Jose.....
WTEU	Coperas.....	b	WWM	San Juan.....
WTF	Westwood.....	b	WWN	Mongolia.....
WTG	Santa Rita.....	b	WPW	Ausabe.....
WTH	Westlake.....	b	WWR	Rose City.....
WTII	Socony 90.....	b	WWS	Alaska.....
WTIO	Socony 94.....	b	<b>WXAA</b>	Ozaukee.....
WTIU	Deerfield.....	b	WXAO	Danebrog.....
WTJ	Sutherland.....	b	WXAU	Keota.....
WTL	Lyman Stewart.....	b	WXEA	Western Scout.....
WTM	W. S. Porter.....	b	WXEI	Western Comet.....
WTN	Wm. F. Herrin.....	b	WXEO	West Cape.....
WTO	Frank H. Buck.....	b	WXEU	Yukon.....
WTOI	Belaire.....	b	WXIA	Victorous.....
WTOO	Toiler.....	b	WXOA	Cowiche.....
WTOU	Coulee.....	b	WXOE	Crabtree.....
WTQ	El Segundo.....	b	WXOI	Craigrownie.....
WTR	Richmond.....	b	WXOO	Craigmere.....
WTS	Col. E. L. Drake.....	b	WXUA	Beaumont.....
WTT	Atlas.....	b	WXUI	Hampden.....
WTU	S. O. Co. No. 91.....	b	WXUO	Monmouth.....
WTUE	Laurel.....	b	<b>WZAA</b>	L. J. Drake.....
WTUI	Calvert.....	b	WZAE	West Humhaw.....
WTUO	Houma.....	b	WZAU	E. C. Pope.....
WTUU	West Mahomet.....	b	WZEA	Saxon.....
WTV	Captain A. F. Lucas.....	b	WZEE	Maruba.....
WTW	Ossineke.....	b	WZEU	North Pines.....
WTX	Asuncion.....	b	WZIO	Admiral Mayo.....
WTY	S. O. Co. No. 93.....	b	WZIU	Western Plains.....
WTZ	S. O. Co. No. 95.....	b	WZOA	Lake Graphite.....
<b>WVAA</b>	Coquina.....	b	WZOE	Lake Gratis.....
WVAE	Coropeak.....	b	WZOI	Lake Grattan.....
WVAI	Corcoran.....	b	WZOO	Lake Gravella.....
WVAO	Conotton.....	b	WZOU	Lake Gravett.....
WVAU	Contoocook.....	b	WZUA	Norfolk.....
WVEI	Basco.....	b	WZUE	Newburgh.....

# GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This table includes all Government land radio stations of the United States. Wave lengths in italic (in this table only) are used for "listening in."]

Station.	Call signal.	Wave lengths.	Serv-ice.	Station controlled by—
Alpena, Mich.	NSM	600, 1200	PG	U. S. Navy.
Ambrose Channel Light Vessel.	NALS	600	O	Do.
Anacostia, D. C.	NSF	507, 600, 2250	O	Do.
Annapolis, Md.	NSS	17145	O	Do.
Astoria, Oregon	NUZ	4525, 5000	O	Do.
Atka Island, Alaska	WJI	900	O	U. S. Department of Interior.
Balboa, C. Z.	NBA	600, 975, 2250, 2400, 3950, 10110	PG	U. S. Navy.
Baltimore, Md.	NBZ	600, 700	PG	Do.
Bar Harbor, Me.	NBD	600, 975, 2400, 2750, 3700, 3950	PG	Do.
Bellefonte, Pa.	WWQ	3450, 3800	O	Post Office Department.
Blunts Reef Light Vessel	NACT	600	O	U. S. Navy.
Boston, Mass.	NAD	600, 975, 2250, 3950, 5000	O	Do.
Boston Light Vessel	NADX	600	O	Do.
Boston, Mass.	WZAA	600	O	U. S. Army.
Brenton Reef Light Vessel	NASB	600	O	U. S. Navy.
Brunswick Light Vessel	NABX	600	O	Do.
Buffalo, N. Y.	NNZ	600, 1200	PG	Do.
Calumet, Mich.	NUG	600, 1200	PG	Do.
Camp Alfred Vail, N. J.	WUBA	600	O	U. S. Army.
Camp John Hay, P. I.	WUCB	600	O	Do.
Camp Stotsenburg, P. I.	WUCA	600	O	Do.
Cape Charles Light Vessel	NAJV	600	O	U. S. Navy.
Cape Hatteras, N. C.	NDW	600, 975, 1620	PG	Do.
Cape Lookout Shoals Light Vessel	NABV	600	O	Do.
Cape Mala, Panama	NNT	600, 1908	PG	Do.
Cape May, N. J.	NSD	507, 600, 975, 1688, 2750	O	Do.
Cavite, P. I.	NPO	600, 975, 2400, 2700, 3950, 5200, 12100	PG	Do.
Cayey, P. R.	NZR	10510	O	Do.
Charleston, S. C.	NAO	600, 975, 2250, 2400, 3950, 4800	PG	Do.
Charleston Light Vessel	NAZJ	600	O	Do.
Chatham, Mass.	NXA	507, 600, 975, 1988	O	Do.
Cheyenne, Wyo.	KDEG	2900, 3800	O	Post Office Department.
Chicago, Ill.	NUR	600, 1200	PG	U. S. Navy.
Chicago, Ill.	KDQA	600	O	Post Office Department.
Cincinnati, Ohio	KDQC	3600, 3800	O	Do.
Circle City, Alaska	WVA	1280	O	U. S. Army.
Cleveland, Ohio	NRH	600, 1080, 2400, 3250	PG	U. S. Navy.
Cleveland, Ohio	WWO	600	O	Post Office Department.
Coco Solo, C. Z.	NNL	507, 600, 2750	O	U. S. Navy.
College Park, Md.	WWX	3650, 3800	O	Post Office Department.
Colon, C. Z.	NAX	600, 975, 1620	PG	U. S. Navy.
Columbia River Light Vessel	NAJT	600	O	Do.
Cordova, Alaska	NPA	600, 975, 2400, 2700, 3950, 5950, 7500	PG	Do.
Cornfield Point Light Vessel	NASC	600	O	Do.
Craig, Alaska	WXO	600	O	U. S. Army.
Cross Rip Light Vessel	NAQB	600	O	U. S. Navy.
Detroit, Mich.	NRQ	600, 1430	O	Do.
Diamond Shoals Light Vessel	NITQ	600	O	Do.
Duluth, Minn.	NUX	600, 1200	PG	Do.
Dutch Harbor, Alaska	NPR	600, 975, 2250	PG	Do.
Elko, Nev.	KDEJ	2200, 3400	O	Post Office Department.
Eureka, Calif.	NPW	600, 975, 2400, 2650	PG	U. S. Navy.
Fairbanks, Alaska	WVB	1500	O	U. S. Army.
Farallons, Calif.	NPI	600, 975, 1620	O	U. S. Navy.
Fenwick Island Shoal Light Vessel	NAJS	600	O	Do.
Fire Island Light Vessel	NLS	600	O	Do.
Five Fathom Bank Light Vessel	NADV	600	O	Do.
Fort Adams, R. I.	WUU	100-4400	O	U. S. Army.

## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Station controlled by—
Fort Andrews, Mass.....	WUA	1100	O	U. S. Army.
Fort Barrancas, Fla.....	WZD	600, 800, 1000, 1150, 1230	O	Do.
Fort Benjamin Harrison, Ind.....	WZAE	3100, 6000,	O	Do.
Fort Bliss, Tex.....	WZO	7000, 8000, 10000	O	Do.
Fort Brown, Tex.....	WUZ	1350, 1700, 2100, 2700, 3100, 4700, 6300, 7000	O	Do.
Fort Casey, Wash.....	WZJ	500	O	Do.
Fort Caswell, N. C.....	WUT	825	O	Do.
Fort Constitution, N. H.....	WZE	300, 400, 500, 600, 700, 800, 900, 1000	O	Do.
Fort Crockett, Tex.....	WUX	500, 900	O	Do.
Fort Dade, Fla.....	WZK	825	O	Do.
Fort Drum, P. I.....	WVP	430	O	Do.
Fort DuPont, Del.....	WZN	—	O	Do.
Fort Egbert, Alaska.....	WVC	1500	O	Do.
Fort Frank, P. I.....	WVL	—	O	Do.
Fort Gibon, Alaska.....	WVD	2000	O	Do.
Fort Hancock, N. J.....	WUB	1200	O	Do.
Fort H. G. Wright.....	WUC	600	O	Do.
Fort Howard, Md.....	WZAC	—	O	Do.
Fort Howard, Md.....	WZB	600, 825, 1200	O	Do.
Fort Huachuca, Ariz.....	WZP	2300, 2750	O	Do.
Fort Leavenworth, Kans.....	WUD	1800	O	Do.
Fort Leavett, Me.....	WUE	300-1300	O	Do.
Fort Mason, Calif.....	WZAH	—	O	Do.
Fort McIntosh, Tex.....	WUH	1350, 1665, 1975, 2275, 2550, 3050	O	Do.
Fort McPherson, Ga.....	WZAD	—	O	Do.
Fort Mills, P. I.....	WVN	300, 600, 825, 1200	O	Do.
Fort Mills, P. I.....	WVZ	600	O	Do.
Fort Monroe, Va.....	WUF	400, 600, 825, 1100	O	Do.
Fort Monroe, Va.....	WUG	600, 825	O	Do.
Fort Moultrie, S. C.....	WZF	600, 825	O	Do.
Fort Omaha, Nebr.....	WZAG	—	O	Do.
Fort Riley, Kans.....	WUI	1200	O	Do.
Fort St. Philip, La.....	WXQ	450, 600, 1100	O	Do.
Fort Sam Houston Tex.....	WUJ	3100, 4700, 6300, 7500, 9500	O	Do.
Fort San Jacinto, Tex.....	WUY	300, 1200	O	Do.
Fort Screven, Ga.....	WZA	825	O	Do.
Fort Sheridan, Ill.....	WZAF	—	O	Do.
Fort Stevens, Oreg.....	WUK	1100	O	Do.
Fort St. Michael, Alaska.....	WVE	600, 900	O	Do.
Fort Morgan, Ala.....	WUR	600, 1200	O	Do.
Fort Rosecrans, Calif.....	WUS	300, 575	O	Do.
Fort Sill, Okla.....	WUBD	—	O	Do.
Fort Story, Va.....	WXZ	360, 525, 825, 1100	O	Do.
Fort Terry, N. Y.....	WUW	200-1050	O	Do.
Fort Totten, N. Y.....	WUL	600, 800, 1100, 1200	O	Do.
Fort Travis, Tex.....	WXP	600, 900	O	Do.
Fort Washington, Md.....	WXG	825, 1200	O	Do.
Fort Whitman, Wash.....	WZC	400, 1100	O	Do.
Fort Winfield Scott, Calif.....	WUO	1100	O	Do.
Fort Wint, P. I.....	WVR	1200	O	Do.
Fort Wood, N. Y.....	WZAB	—	O	Do.
Fort Worden, Wash.....	WUN	1200	O	Do.
Fort Yukon, Alaska.....	WXX	600	O	Do.
Frying Pan Shoals Light Vessel.....	NLC	600, 975, 1813	PG	U. S. Navy.
Galveston, Tex.....	NKB	507, 600, 1988, 4900, 5950	O	Do.
Great Lakes, Ill.....	NAJ	5950, 9145	O	Do.
Great Round Shoals Light Vessel.....	NABJ	600, 975, 2250, 2400, 3950,	O	Do.
Guam, Guam.....	NPN	5950, 9145	PG	Do.
Guantanamo, Cuba.....	NAW	150, 507, 600, 975, 2400, 2750, 3950, 4525	PG	Do.

**GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.**

Station:	Call signal.	Wave lengths.	Serv-ice.	Station controlled by—
Handkerchief Light Vessel.....	NAQS	600	O	U. S. Navy.
Heald Bank Light Vessel.....	NLP	600	O	Do.
Hedge Fence Light Vessel.....	NATD	600	O	Do.
Heeia Point, Hawaii.....	NPM	8875	O	Do.
Hen and Chickens Light Vessel.....	NAPP	600	O	Do.
Holy Cross, Alaska.....	WVK	600	O	U. S. Army.
Honolulu, Hawaii.....	NPM	507, 600, 975, 2250, 2400, 2650, 3950, 4800	O	U. S. Navy.
Iditarod, Alaska.....	WXL	300, 500, 600, 1650	O	U. S. Army.
Indian Head, Md.....	NBG			
Juneau, Alaska.....	NVD	600, 975, 2250	PG	U. S. Navy.
Jupiter, Fla.....	NAQ	600, 975, 1688	PG	Do.
Kanakanak, Alaska.....	KGU		O	U. S. Department of Interior.
Ketchikan, Alaska.....	NVH	600, 975, 2400, 650, 4525, 5000	PG	U. S. Navy.
Key West, Fla.....	NAR	600, 975, 1988, 2400, 3950, 5700	PG	Do.
Kodiak, Alaska.....	NPS	600, 975, 1688	PG	Do.
Kotlik, Alaska.....	WVF	600, 800	O	U. S. Army.
Lakehurst, N. J.....	NEL	507	O	U. S. Navy.
La Palma, Panama.....	NNW	600, 1815	O	Do.
Livengood, Alaska.....	WUV	300, 600	O	U. S. Army.
Mackinac Island, Mich.....	NUD	600, 975	O	U. S. Navy.
Managua, Nicaragua.....	NAZ	600, 975, 1832	O	Do.
Manati, Cuba.....	NMB			
Manila, P. I.....	WVU	600	O	U. S. Army.
Manistique, Mich.....	NUB	600, 1200	PG	U. S. Navy.
Marshallfield, Oreg.....	NPF	600, 975, 1948	PG	Do.
Martin's Industry Light Vessel.....	NART	600	O	Do.
McGrath, Alaska.....	WXV		O	U. S. Army.
Miami, Fla.....	NGE	600, 975, 1620	PG	U. S. Navy.
Milwaukee, Wis.....	NUK	600, 975	PG	Do.
Minneapolis, Minn.....	KDPB		O	Post Office Department.
Mobile, Ala.....	NGT	600, 975, 1654	O	U. S. Navy.
Moorehead City, N. C.....	NAN	600, 975, 1654	O	Do.
Nantucket Shoals Light Vessel.....	NLA	600	O	Do.
Naval Academy, Annapolis, Md.....	NAK	600, 975, 1620	O	Do.
Navassa Island, W. I.....	NKC	365, 600	O	Do.
Newark, N. J.....	WWU		O	Post Office Department.
New Orleans, La.....	NAT	600, 975, 1832, 2400, 3950, 4650	O	U. S. Navy.
Newport, R. I.....	NAF	150, 600, 975, 1908	O	Do.
New York, N. Y.....	NAH	150, 600, 975, 1832, 2400	O	Do.
New York, N. Y.....	KUVS	300, 400, 600	O	Police Department of New York, N. Y.
Nome, Alaska.....	WVG	600, 2000, 2500, 3000	O	U. S. Army.
Norfolk, Va.....	NAM	150, 600, 975, 1851, 2400, 2950, 3950, 5450	O	U. S. Navy.
Northeast End Light Vessel.....	NARS	600	O	Do.
North Head, Wash.....	NPE	600, 975, 2400, 2700	PG	Do.
North Platte, Nebr.....	KDHM	2900, 3400	O	Post Office Department.
Nulato, Alaska.....	WVH	1400	O	U. S. Army.
Olongapo, P. I.....	NPT	600, 975, 1908	O	U. S. Navy.
Omaha, Nebr.....	KDEF	1050, 2900	O	Post Office Department.
Overfalls Light Vessel.....	NAKT	600	O	U. S. Navy.
Parris Island, S. C.....	NAV	365, 600, 975	O	Do.
Pearl Harbor, Hawaii.....	NPM	11500	O	Do.
Peking, China.....	NPP	975, 1908, 3950, 4525	O	Do.
Pensacola, Fla.....	NAS	507, 600, 975, 2250	PG	Do.
Petersburg, Alaska.....	WVI	500	O	U. S. Army.
Philadelphia, Pa.....	NAI	600, 975, 1948	O	U. S. Navy.
Point Arguello, Calif.....	NPK	600, 975, 1688	PG	Do.
Point Isabel, Tex.....	NAY	600, 975, 2250, 2400, 3950, 5000	PG	Do.
Pollock Rip Slue Light Vessel.....	NAFT	600	O	Do.
Pollock Rip Light Vessel.....	NANS	600	O	Do.
Port Arthur, Tex.....	NIY	600, 975, 1620	PG	Do.
Port au Prince, Haiti.....	NSC	600, 975, 2250, 2400, 3825, 3950	PG	Do.

## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call Signal.	Wave lengths.	Service.	Station controlled by—
Port Eads, La.....	WZH		O	U. S. Army.
Portland Light Vessel.....	NAMS	600	O	U. S. Navy.
Portsmouth, N. H.....	NAC	600, 975, 1813	O	Do.
Puerto Obaldia, Panama.....	NRK	600, 1988	O	Do.
Puget Sound, Wash.....	NPZ	600, 975, 1988, 3950, 5450, 7100	PG	Do.
Quantico, Va.....	NFV	507, 600, 975	O	Do.
Ram Island Reef Light Vessel.....	NARX	600	O	Do.
Reno, Nev.....	KDEK	2200, 2800	O	Post Office Department.
Rockaway Beach, N. Y.....	NBT	507, 2250	O	U. S. Navy.
Rock Springs, Wyo.....	KDHN	2900, 3200	O	Post Office Department.
Salt Lake City, Utah.....	KDEH	2200, 3600	O	Do.
San Diego, Calif.....	NPL	507, 600, 975, 1988, 2400, 3950, 5200, 9800	PG	U. S. Navy.
San Domingo City, D. R.....	NJG			
San Francisco, Calif.....	NPG	150, 600, 975, 1908, 2250, 2400, 2750, 3950, 4650, 7900	O	Do.
San Francisco, Calif., Light Vessel.....	NAKS	600	O	Do.
San Juan, P. R.....	NAU	3950, 5200, 600, 975, 2400, 2750	PG	Do.
San Pedro, Calif.....	NPX	150, 600, 975, 1851, 2400, 2750, 3250, 3950	PG	Do.
Savannah, Ga.....	NEV	600, 975, 1813	PG	Do.
Sayville, N. Y.....	NDD	7800, 9800	O	Do.
Scotland Light Vessel.....	NARV	600	O	Do.
Seattle, Wash.....	NVL	600, 700	PG	Do.
Seward, Alaska.....	NPV	600, 1908	PG	Do.
Shanghai, China.....	WZI		O	War Department.
Sitka, Alaska.....	NPB	600, 975, 2400, 2650, 3950, 4800	PG	U. S. Navy.
South Pass Light Vessel.....	NAGT	600	O	Do.
St. Augustine, Fla.....	NAP	600, 975, 1851	PG	Do.
St. Croix, V. I.....	NNI	450, 600	PG	Do.
St. George, Alaska.....	NPY	600, 675	PG	Do.
St. Louis, Mo.....	KDEL	3750, 3800	O	Post Office Department.
St. Paul, Alaska.....	NPQ	600, 975, 2650, 3950, 5700	PG	U. S. Navy.
St. Petersburg, Fla.....	NGL	600, 2400, 2700	PG	Do.
St. Thomas, V. I.....	NBB	600, 975, 1688	PG	Do.
Stone Horse Shoal Light Vessel.....	NANT	600	O	Do.
Swiftsure Bank Light Vessel.....	NABT	600	O	Do.
Tail of Horseshoe Light Vessel.....	NAZR	600	O	Do.
Tatoosh, Wash.....	NPD	600, 700	PG	Do.
Tongshan, China.....	WJD		O	War Department.
Tien-Tsin, China.....	WYX		O	Do.
Tutuila, Samoa.....	NPU	600, 975, 2400, 2250, 3950, 4525	PG	U. S. Navy.
Umatilla Reef Light Vessel.....	NACV	600	O	Do.
Vineyard Sound Light Vessel.....	NACX	600	O	Do.
Virginia Beach, Va.....	NCZ	507	O	Do.
Vladivostok, Siberia.....	NPH	3950, variable	O	Do.
Washington, D. C. (Arlington).....	NAA	600, 975, 2650, 3950, 5950	PG	Do.
Washington, D. C. (Navy Yard).....	NAL	600, 975, 2250, 2650, 3950, 5950	O	Do.
Washington, D. C. (Signal Corps laboratory).....	WUP		O	U. S. Army.
Washington, D. C. (Bureau of Standards).....	WUQ		O	Do.
Washington, D. C. (Bureau of Standards).....	WWV		O	Department of Commerce.
Washington, D. C. (Signal Corps laboratory).....	WXY		O	U. S. Army.
Whitefish Point, Mich.....	NZT	600, 800	O	U. S. Navy.
Winter Quarter Shoals Light Vessel.....	NADT	600	O	Do.
Wrangell, Alaska.....	WVJ	475	O	U. S. Army.

# GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[All naval stations are open to general public service and maintain a continuous service. The normal wave length is 600 meters, but all vessels are equipped to transmit and receive on a wave length of 300 meters.]

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Aaron Ward .....	NELX	Borie.....	NULL	Cincinnati.....	NISN
Abarendra.....	NOB	Boston.....	NGC	Claixton.....	NEQZ
Abbot.....	NEZS	Bothwell (C. G. C.)	NEKD	Clemson.....	NEZT
Acashnet (C. G. C.)	NRU	Boyce (C. G. C.)	NISD	Cleveland.....	NDM
Ajax.....	NAKD	Branch.....	NEML	Coast Torpedo Boat	
Alameda.....	NUGJ	Brant.....	NAFF	No. 6.....	NIFT
Albany.....	NBJ	Brazos.....	NIFK	Coghlan.....	NUPK
Albatross.....	NQY	Breck.....	NULZ	Cole.....	NEST
Alden.....	NULK	Breckinridge.....	NERZ	Colboun.....	NAJL
Alert.....	NBL	Breese.....	NESM	Colonel George Armi-	
Algonquin (C. G. C.)	NRA	Bridge.....	NOI	stead.....	WYR
Algoma.....	NEVP	Bridgeport.....	NGR	Colorado.....	NECR
Allen.....	NJD	Brooklyn.....	NFA	Columbia.....	NGA
Amaranth.....	NAPT	Brooks.....	NEZX	Columbine (L. H. T.)	NLL
Ammen.....	NBP	Broome.....	NEPF	Comanche (C. G. C.)	NRW
Androscoggin (C. G. C.)	NRD	Bruce.....	NUPS	Comfort.....	NDO
Anemone (L. H. T.)	NABP	Brutus.....	NNA	Concord.....	NIRV
Annapolis.....	NBR	Buchanan.....	NEQS	Connecticut.....	NDQ
Anthony.....	NEVS	Buffalo.....	NCU	Conner.....	NSN
Apache.....	NACB	Buford.....	WXA	Constellation.....	NEDF
Aramis.....	NARP	Bulmer.....	NUPN	Constellation (Old)	NEY
Arapaho.....	NSP	Burns.....	NAFS	Constitution.....	NEBF
Arbutus (L. H. T.)	NAGM	Burnside.....	WXR	Constitution (Old)	NLZ
Arcata (C. G. C.)	NADD	Burrows.....	NCV	Contocook.....	NELR
Arthursa.....	NBU	Bush.....	NETT	Converse.....	NAPM
Arizona.....	NBW	Bushnell.....	NZC	Conyngham.....	NJE
Arkansas.....	NBV	C-1.....	NKK	Cook (C. G. C.)	NIGT
Aroostook.....	NMK	C-2.....	NXL	Cormorant.....	NIKV
Ashville.....	NELV	C-3.....	NXM	Corry.....	NUQZ
Atkantic.....	NENN	C-4.....	NXN	Cowell.....	NETV
Ank.....	NIJT	C-5.....	NXO	Crane.....	NIFB
Aulik.....	NERG	Cadmus.....	WUAB	Craven.....	NERJ
Avocet.....	NADP	Caesar.....	NCY	Crook.....	WXB
Aylwin.....	NIH	Caldwell.....	NSI	Crosby.....	NESZ
Azalea (L. H. T.)	NXU	California.....	NDF	Crowninshield.....	NADF
B-1.....	NXH	Camden.....	NAPR	Culgoe.....	NDU
B-2.....	NXI	Canandaigua.....	NCR	Cumberland.....	NSZ
B-3.....	NXJ	Captain A. M. Wetherell.....	WYT	Cummings.....	NIL
Babbitt.....	NEPX	Captain Charles W. Rowell.....	WYI	Curacao.....	NAGQ
Bache (C. & G. S.)	NLK	Captain Gregory Barrett.....	WYP	Curlew.....	NIJB
Badger.....	NEPT	Captain James For-	WYM	Cushing.....	NIM
Badger, George E.	NUJG	nance.....		Cuyama.....	NOD
Bagaduce.....	NAZP	Captain T. M. Morri-		Cyan.....	NIFV
Bagley.....	NVU	son.....		Cygan (C. G. C.)	NICP
Balley.....	NCF	Cardinal.....		Cypress (L. H. T.)	NLM
Bainbridge.....	NUQL	Carr (C. G. C.)	WYZ	D-1.....	NXP
Balch.....	NII	Carrabasset.....	NAFN	D-2.....	NXQ
Ballard.....	NIGN	Case.....	NEXP	D-3.....	NXR
Baltimore.....	NCH	Cassin.....	NEVQ	Dahlgren.....	NVZ
Bancroft.....	NAJQ	Cayuga.....	NUNX	Dale.....	NUND
Barker.....	NUJK	Cedar (L. H. T.)	NIK	Dallas.....	NENM
Barney.....	NVV	Celtic.....	NAFP	Davis.....	NJF
Barry.....	NUQP	Charleston.....	NLW	Decatur.....	NUQV
Beth.....	NHY	Charlotte.....	NDB	Delaware.....	NEK
Beale.....	NCL	Champlin.....	NEKQ	De Long.....	NWB
Bear (C. G. C.)	NRB	Chandler.....	NAGL	Delphy.....	NEZQ
Beaufort.....	NGP	Charles Ausburne.....	NUPR	Dent.....	NEG F
Beaver.....	NEQQ	Charles S. Osborne.....	NARG	Denver.....	NEM
Belknap.....	NEZZ	Charleston.....	NABG	Des Moines.....	NEN
Bell.....	NATG	Charlotte.....	NFE	Despatch.....	NIDF
Benham.....	NIJ	Chase, U. S. S.	NMN	Detroit.....	NISP
Bernadou.....	NESS	Chattanooga.....	NUMK	Dickerson.....	NAFC
Biddle.....	NVW	Chausey.....	NGI	Dix.....	WXC
Billingay.....	NUPQ	Chemung.....	NIFF	Dixie.....	NEP
Birmingham.....	NCN	Chester.....	NARG	Dobbin.....	NUNR
Bittern.....	NIJR	Chew.....	NDG	Dolphin.....	NEQ
Black Hawk.....	NAJD	Chewink.....	NEMZ	Dorsey.....	NELG
Bleakey.....	NVX	Cheyenne.....	NIJV	Downes.....	NIN
Bobolink.....	NIJJ	Chicago.....	NDH	Doyen.....	NUJS
Boggs.....	NAMT	Childs.....	NDI	Drayton.....	NET
			NULN	Dreadnaught.....	NCX

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Dubuque.....	NEU	Flamingo.....	NIJN	Hatfield.....	NEZV
Duncan.....	NIR	Florida.....	NFR	Hazelwood.....	NENS
Dupont.....	NWC	Flusser.....	NUNF	Heather (L. H. T.)	NAKL
Dyer.....	NACN	Foote.....	NWF	Helena.....	NGY
E-1.....	NXS	Ford.....	NUQJ	Henderson.....	NOH
E-2.....	NXT	Fortune.....	NEGS	Henley.....	NHA
Eagle 1.....	NEJB	Fox.....	NWJ	Henry Wilson.....	WZS
Eagle 2.....	NEJC	Frederick.....	NJS	Henshaw.....	NUjq
Eagle 3.....	NEJD	Fuller.....	NIFG	Herbert.....	NEMJ
Eagle 4.....	NEJF	Fulton.....	NZD	Hercules.....	NEKR
Eagle 5.....	NEJG	G-2.....	NXZ	Herndon.....	NE NJ
Eagle 6.....	NEJJ	G-3.....	NYA	Heron.....	NE NL
Eagle 7.....	NEJK	G-4.....	NYB	Hibiscus (L. H. T.)	NAKN
Eagle 8.....	NEJL	Galveston.....	NGD	Hogan.....	NE XT
Eagle 9.....	NEJM	Gamble.....	NEZR	Holland.....	NIRM
Eagle 10.....	NEJN	Gannet.....	NIJX	Hopewell.....	NE XX
Eagle 11.....	NEJP	Gen. Alava.....	NAMG	Hopkins.....	NUQM
Eagle 12.....	NEQJ	Gen. A. M. Randal.....	WYJ	Housatonic.....	NFX
Eagle 13.....	NEJR	Gen. E. O. C. Ord.....	WYF	Houston.....	NGZ
Eagle 14.....	NEJS	Gen. George H. Weeks.....	WZT	Hovey.....	NEPB
Eagle 15.....	NEJT	Gen. G. W. Getty.....	WYS	Howard.....	NIFM
Eagle 17.....	NEJX	Gen. Harvey Brown.....	WYK	Hulbert.....	NUKD
Eagle 18.....	NEJZ	Gen. Henry J. Hunt.....	WYD	Hull.....	NUQT
Eagle 19.....	NEKB	Gen. Henry Knox.....	WYE	Humphreys.....	NUKX
Eagle 23.....	NEKG	Gen. J. M. Brannan.....	WZV	Hunt.....	NUJF
Eagle 24.....	NEKJ	Gen. John M. Schofield.....	WXW	Huntington.....	NW G
Eagle 26.....	NEXF	Gen. Mifflin.....	WZX	Huron.....	NSX
Eagle 27.....	NEXG	Gen. Nathaniel Green.....	WZR	Hyacinth (L. H. T.)	NAGV
Eagle 28.....	NEXM	Gen. R. B. Ayres.....	WYL	Idaho.....	NHN
Eagle 29.....	NEXN	Gen. R. H. Jackson.....	WYW	Illinois.....	NHO
Eagle 31.....	NEZG	Gen. Richard Arnold.....	WYY	Indiana.....	NIRS
Eagle 32.....	NEZJ	Gen. R. N. Batchelder.....	WZW	Ingraham.....	NENX
Eagle 33.....	NIBB	Gen. Robert Anderson.....	WYH	Ingram, Osmond.....	NIGF
Eagle 34.....	NIBD	Gen. Robert W. Swartout.....	WYU	Intrepid.....	NFY
Eagle 35.....	NIBG	Gen. Royal T. Frank.....	WYA	Iowa.....	NIRP
Eagle 36.....	NIBK	Gen. S. B. Holabird.....	WYV	Iris (L. H. T.)	NALL
Eagle 37.....	NIBM	Gen. S. M. Mills.....	WYB	Iroquois.....	NH V
Eagle 38.....	NIBN	Gen. Timothy Pickering.....	WYU	Isherwood.....	NUNV
Eagle 39.....	NIBC	Gen. Royal T. Frank.....	WYA	Israel.....	NENG
Eagle 40.....	NIBF	Gen. S. B. Holabird.....	WYV	Itasca.....	NRI
Eagle 41.....	NIBJ	Gen. S. M. Mills.....	WYB	Iuka.....	NEVR
Eagle 42.....	NIBL	Gen. Timothy Pickering.....	WYU	Ivy (L. H. T.)	NA KV
Eagle 43.....	NIBP	Gen. Royal T. Frank.....	WYA	Jacob Jones.....	NEPZ
Eagle 44.....	NIBQ	Gen. S. M. Mills.....	WYV	Jarvis.....	NIB
Eagle 45.....	NIBR	Gen. Timothy Pickering.....	WYB	Jason.....	NNB
Eagle 46.....	NIBS	Gen. Royal T. Frank.....	WYU	Jenkins.....	NID
Eagle 47.....	NIBT	Gen. S. M. Mills.....	WYA	J. Fred Talbott.....	NIGR
Eagle 48.....	NIBV	Gen. Royal T. Frank.....	WYV	Johansson (C. G. C.)	NIQP
Eagle 49.....	NIBX	Gen. Royal T. Frank.....	WYB	John D. Edwards.....	NUPC
Eagle 50.....	NIBZ	Gen. Royal T. Frank.....	WYU	John Frances Burnes.....	NIQG
Eagle 51.....	NICB	Gen. Royal T. Frank.....	WYA	Joseph Henry.....	WXT
Eagle 52.....	NICC	Gen. Royal T. Frank.....	WYV	Jouett.....	NIE
Eagle 53.....	NICD	Gen. Royal T. Frank.....	WYB	K-1.....	NYF
Eagle 54.....	NICF	Gen. Royal T. Frank.....	WYU	K-2.....	NYG
Eagle 55.....	NICG	Gen. Royal T. Frank.....	WYA	K-3.....	NYH
Eagle 56.....	NICJ	Gen. Royal T. Frank.....	WYV	K-4.....	NYI
Eagle 57.....	NICK	Gen. Royal T. Frank.....	WYB	K-5.....	NYJ
Eagle 58.....	NICL	Gen. Royal T. Frank.....	WYU	K-6.....	NYK
Eagle 59.....	NICM	Gen. Royal T. Frank.....	WYA	K-7.....	NYL
Eagle 60.....	NICN	G-2.....	NYD	K-8.....	NYM
Earp (C. G. C.)	NEKF	H-3.....	NYE	Kalk.....	NIGD
Edsall.....	NUPM	H-4.....	NEQM	Kalmia.....	NAZS
Edwards.....	NIGL	H-5.....	NETG	Kanawha.....	NND
Eider.....	NIKR	H-6.....	NEFC	Kane.....	NULM
El Cano.....	NFD	H-7.....	NESJ	Kankakee (C. G. C.)	NUMZ
Elliot.....	NERV	H-8.....	NELN	Kansas.....	NIO
Ellis.....	NIFD	H-9.....	NEBV	Kaweah.....	NUGK
Ericsson.....	NIS	Hale.....	NACL	Kearsarge.....	NIP
Evans.....	NEMS	Hamilton.....	NIFL	Kennedy.....	NAZM
Explorer (C. & G. S.)	NAVM	Hancock.....	NHI	Kennison.....	NEQX
F-2.....	NXV	Hannibal.....	NGU	Kentucky.....	NIQ
F-3.....	NXW	Haraden.....	NEXZ	Keosauqua.....	NE XC
Fairfax.....	NTN	Harbor tug No. 61.....	NUMX	Kewaydin.....	NAXN
Falcon.....	NEKN	Harbor tug No. 63.....	NULD	Kidder.....	NUIX
Fanning.....	NFM	Harbor tug No. 64.....	NUMT	Kilkenny.....	KKI
Farenholz.....	NECK	Harbor tug No. 67.....	NULG	Kilty.....	NAKX
Farquhar.....	NANZ	Harbor tug No. 68.....	NUMR	Kimberly.....	NADL
Farragut.....	NVS	Harbor tug No. 74.....	NEKP	King.....	NULP
Fathomer (C. & G. S.)	NESR	Harding.....	NEMV	Kingfisher.....	NALP
Fern (L. H. T.)	NAFV	Hart.....	NENV	Kittery.....	NHW
Finch.....	NAJP	Hartford.....	NGV	Klingelhoefer.....	NISC

GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Knudsen (C. G. C.)	NEXL	Maury	NEPG	Nicholas	NUNZ
Koka	NETZ	Mayflower (L. H. T.)	NZQ	Nieholson	NIU
Kukui (L. H. T.)	NLF	Mayflower (President's yacht)	NJV	Nitro	NELL
L-1	NYN	Mayrant	NJU	Noa	NUKF
L-2	NYO			North Carolina	NISK
L-3	NYP	McCall	NJW	North Dakota	NMO
L-4	NYQ	McCalla	NIGC	Northern Pacific	WIM
L-5	NYR	McCawley	NULS	O-1	NEPJ
L-6	NYS	McCook	NIGB	O-2	NETJ
L-7	NYT	McCormick	NUPZ	O-3	NAMR
L-8	NYU	McDermut	NIGG	O-4	NAMX
L-9	NYV	McDougal	NIT	O-5	NAMZ
L-10	NYW	McFarland	NETB	O-6	NANB
L-11	NYX	McGourty (C. G. C.)	NEJV	O-7	NANC
Lamberton	NAZL	McKean	NEMT	O-8	NAND
Lamson	NUNC	McKee	NACQ	O-9	NAGB
Langley	NNC	McLanahan	NGK	O-10	NAXT
Lansdale	NERL	Meade	NEBJ	O-11	NETK
Lapwing	NALC	Medusa	NEMC	O-12	NETL
Laramie	NUGL	Mehalatos (C. G. C.)	NIDL	O-13	NEZN
Lardner	NUPF	Melville	NKA	O-14	NEVD
Lark	NIJK	Melvin	NURC	O-15	NAXS
Larkspru (L. H. T.)	NAMB	Memphis	NISS	O-16	NASM
Larsen (C. G. C.)	NITK	Mercy	NKK	O'Bannon	NEXS
Laub	NIGJ	Meredith	NETS	O'Brien	NIV
Laurel (L. H. T.)	NALV	Merritt	WXI	Ohio	NMW
La Vallette	NUJT	Mervine	NUMJ	Oil Barge No. 9	NEQL
Lawrence	NUQQ	Mexican	NAMC	Oklahoma	NCB
Lea	NETF	Meyer	NUJR	Olympia	NGG
Leary	NAFL	Michigan	NJZ	Omaha	NISL
Lebanon	NIZ	Milwaukee	NISM	Onondaga (C. G. C.)	NRO
Leonidas	NNH	Minneapolis	NGB	Ontario	NTA
Lexington	NEDB	Minnesota	NKD	Orchid (L. H. T.)	NLT
Lieut. Geo. M. Harris	WYR	Mississippi	NKE	Oregon	NMZ
Lilac (L. H. T.)	NUCF	Missoula	NKM	Oriole	NEVM
Liscum	WXE	Missouri	NKF	Orion	NOC
Litchfield	NUMM	Mohave	NTO	Ortolan	NIKC
Little	NRT	Mohawk	NUFB	Osborne	NUQC
Logan	WXF	Mohican	NZA	Osceola	NOA
Long, J. D.	NEPD	Monadnock	NHD	Osprey	NIJL
Long Beach	NEFZ	Monaghan	NKL	Ossipee (C. G. C.)	NRJ
Louisiana	NJB	Monocacy	NQQ	Overton	NUJN
Luce	NEGQ	Montana	NISJ	Oveson (C. G. C.)	NIZD
Ludlow	NENZ	Montcalm	NEQF	Owl	NACS
Lydonia (C. & G. S.)	NDR	Monterey	NKN	Ozark	NHH
Lykens	NALK	Montgomery	NAXJ	Ozette	NEDN
M-1	NYY	Moody	NULT	Paducah	NOG
MacDonough	NUQR	Morrill (C. G. C.)	NRC	Palmer	NECV
Machias	NQL	Morris	NWS	Palos	NQS
Mackenzie	NEVX	Mugford	NEXR	Pamlico (C. G. C.)	NRR
Mackinac	NUGD	Mullanay	NUML	Pampanga	NQT
MacLeish	NUPT	Murray	NAXK	Panther	NOJ
Maddox	NETX	N-1	NZE	Parker	NIX
Madrono (L. H. T.)	NAMV	N-2	NZF	Parrott	NUPD
Magnolia (L. H. T.)	NAPS	N-3	NZG	Partridge	NIJG
Mahan	NEQK	N-4	NZH	Patapsco	NOL
Mahonna	NURB	N-5	NZI	Pathfinder (C. & G. S.)	NLJ
Mahopac	NETD	N-6	NZJ	Patoka	NUGN
Maine	NJL	N-7	NZK	Patterson	NOK
Major Albert G. Forse	WYQ	Nansemond	NITL	Patuxent	NOM
Major Evan Thomas	WYO	Nanshan	NNK	Paulding	NON
Major Guy Howard	WZY	Nantucket	NFU	Paulding, James K.	NUJM
Major Samuel Ringgold	WYC	Napa	NEVC	Paul Hamilton	NAQN
Mallard	NIKB	Narragansett	NAMN	Paul Jones	NUQN
Mangrove (L. H. T.)	NANV	Natoma (C. & G. S.)	NUGG	Pawnee	NUH
Manhattan (C. G. C.)	NE KZ	Navajo	NKZ	Pawtucket	NUJ
Manley	NSH	Navesink	WXU	Peacock	NIKD
Mauning (C. G. C.)	NRN	Nebraska	NMA	Peary	NUQD
Mansfield	NUMV	Neches	NIFP	Pecos	NIFQ
Manzanita (L. H. T.)	NLU	Neptune	NMS	Pelican	NEFK
Maple (L. H. T.)	NAPV	Nereus	NNF	Penguin	NECT
Marblehead	NIRR	Nero	NEDX	Pennsylvania	NCE
Marcus	NUMG	Nevada	NCA	Penobscot	NOE
Marigold (L. H. T.)	NAQV	New Hampshire	NME	Pensacola	NGN
Mars	NJR	New Jersey	NMF	Pentucket	NUL
Maryland	NARC	New Mexico	NQW	Peoria	NOW
Mason	NAGG	New Orleans	NMG	Pequot (C. G. C.)	NUPJ
Massachusetts	NIRQ	Newport	NMH	Percival	NIFJ
Mattole	NUGM	Newport News	NHZ	Perkins	NOX
Maumee	NNE	New York	NCC	Perry	NUQS
		Niagara	NABC	Philip	NEDG

GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Pigeon.....	NIKF	Rodgers.....	NWT	Seagull.....	NIJM
Pillsbury.....	NUQG	Roe.....	NTZ	Seattle.....	NAPG
Pinola.....	NEVL	Roper.....	NERX	Sebago.....	NUV
Piscataqua.....	NAQC	Rose (L. H. T.).....	NASD	Selbridge.....	NUJZ
Pittsburgh.....	NOT	Rowan.....	NKR	Seminole (C. G. C.).....	NRS
Pompey.....	NQF	S-1.....	NIMG	Semmes.....	NAFZ
Pope.....	NUQB	S-2.....	NIMJ	Seneca (C. G. C.).....	NRE
Porter.....	NOO	S-3.....	NIMK	Sepulga.....	NUGT
Potomac.....	NQK	S-4.....	NIML	Sequoia (L. H. T.).....	NLV
Prairie.....	NQM	S-5.....	NIMM	Sharkey.....	NULV
Preble.....	NUNG	S-6.....	NIMN	Shaw.....	NKU
Preston.....	NUNJ	S-7.....	NIMP	Shawmut.....	NML
Prometheus.....	NQR	S-8.....	NIMQ	Sheridan.....	WXJ
Proteus.....	NNG	S-9.....	NIMR	Sherman.....	WXX
Pruitt.....	NUPV	S-10.....	NIMS	Shirk.....	NUJV
Pueblo.....	NDN	S-11.....	NIMT	Shubrick.....	NUWU
Putnam.....	NUPG	S-12.....	NIMV	Sicard.....	NUPL
Pyro.....	NELK	S-13.....	NIMX	Sigourney.....	NAJB
Quail.....	NIKQ	S-14.....	NIMZ	Simpson.....	NUPX
Quigley (C. G. C.).....	NIDB	S-15.....	NINB	Sinclair.....	NULR
Quincy.....	NGQ	S-16.....	NINC	Sloat.....	NUMD
Quiros.....	NQZ	S-17.....	NIND	Slocum.....	WWY
R-1.....	NILC	S-18.....	NINF	Smith (C. G. C.).....	NIXG
R-2.....	NILD	S-19.....	NING	Smith, Robert.....	NUKB
R-3.....	NILF	S-20.....	NINJ	Snohomish (C. G. C.).....	NRF
R-4.....	NILG	S-21.....	NINK	Solace.....	NST
R-5.....	NILJ	S-22.....	NINL	Somers.....	NWV
R-6.....	NILK	S-23.....	NINM	Sonoma.....	NTG
R-7.....	NILL	S-24.....	NINN	Sotomo.....	NECZ
R-8.....	NILM	S-25.....	NINP	Southard.....	NAJK
R-9.....	NILN	S-26.....	NINQ	South Bend.....	KEXQ
R-10.....	NILP	S-27.....	NINR	South Carolina.....	NSW
R-11.....	NILQ	S-28.....	NINS	South Dakota.....	NISG
R-12.....	NILR	S-29.....	NINT	S. P. 43 (Daraga).....	NUBB
R-13.....	NILS	S-30.....	NINV	S. P. 54 (Patrol No. 6).....	NUBK
R-14.....	NILT	S-31.....	NINX	S. P. 164 (May).....	NALQ
R-15.....	NASV	S-32.....	NINZ	S. P. 179 (Privateer).....	NUDF
R-16.....	NASX	S-33.....	NIPB	S. P. 181 (Helori).....	NEFS
R-17.....	NAFX	S-34.....	NIPC	S. P. 185 (Clarinda).....	NUFZ
R-18.....	NEG C	S-35.....	NIPD	S. P. 214 (Edithia).....	NUCX
R-19.....	NEGK	S-36.....	NIPF	S. P. 249 (Hauoli).....	NUCZ
R-20.....	NARZ	S-37.....	NIPG	S. P. 265 (Pocomoke).....	NUCT
R-21.....	NILV	S-38.....	NIPJ	S. P. 399 (Legonia).....	NUFG
R-22.....	NILX	S-39.....	NIPK	S. P. 493 (Cahill).....	NDV
R-23.....	NILZ	S-40.....	NIPL	S. P. 521 (Isabel).....	NHF
R-24.....	NIMB	S-41.....	NIPM	S. P. 522 (Chas. Mann).....	NUBT
R-25.....	NIMC	S-42.....	NIPN	S. P. 524 (Margaret).....	NQP
R-26.....	NIMD	S-43.....	NIPP	S. P. 573 (Easthampton).....	NUCG
R-27.....	NIMF	S-44.....	NIPQ	S. P. 642 (Felicia).....	NUCS
Radford.....	NEXB	S-45.....	NIPR	S. P. 680 (Ardent).....	NUCR
Rail.....	NAQJ	S-46.....	NIPS	S. P. 681 (Breakwater).....	NUMS
Rainbow.....	NFZ	S-47.....	NIPT	S. P. 707 (Endion).....	NUDR
Raleigh.....	NIRT	S-48.....	NIPV	S. P. 714 (Galatea).....	NKP
Ramapo.....	NUGP	S-49.....	NIPX	S. P. 724 (Fearless).....	NEKM
Ramsay.....	NIFC	S-50.....	NIPZ	S. P. 726 (Orca).....	NUBS
Ranger.....	NELF	S-51.....	NIQK	S. P. 765 (Adelante).....	NUCK
Ranger (C. & G. S.).....	NUDG	Sacramento.....	NQV	S. P. 813 (Corona).....	NNQ
Rapidan.....	NUGQ	Sagamore.....	NANX	S. P. 838 (Lawrence, John L.).....	NUFL
Rappahannock.....	NJO	Saint Louis.....	NTF	S. P. 909 (Eaglet).....	NUBC
Rathburne.....	NACR	Salem.....	NTP	S. P. 951 (Utonawanah).....	NJI
Raven.....	NIKZ	Salinas.....	NUGR	S. P. 1014 (Sea Rover).....	NEX
Redwing.....	NIKG	Samoset.....	NUU	S. P. 1015 (Challenge).....	NEKS
Reid.....	NUNK	Sampson.....	NKS	S. P. 1116 (Genesee).....	NKG
Relief (Hosp. Ship No. 1).....	NEPQ	Sanderling.....	NIJS	S. P. 1121 (Osborne).....	NESN
Reno.....	NAMD	Sandpiper.....	NIKK	S. P. 1149 (Barnett).....	NUFN
Reno.....	WYN	Sands.....	NULQ	S. P. 1161 (Francis B. Hackett).....	NTD
Renshaw.....	NEVZ	San Francisco.....	NTQ	S. P. 1213 (Montauk).....	NARN
Reuben James.....	NUNT	Santa Leonora.....	WZZ	S. P. 1232 (Barnegat).....	NADQ
Rhode Island.....	NTX	Sapelo.....	KIML	S. P. 1234 (Cigarette).....	NUCJ
Richards (C. G. C.).....	NIDG	Sara Thompson.....	NUGS	S. P. 1250 (Nahant).....	NQE
Richmond.....	NISQ	Saratoga.....	NEMD	S. P. 2047 (Moosehead).....	NAQM
Ringgold.....	NALT	Satterlee.....	NELB	S. P. 2225 (Navigator).....	NECD
Rizal.....	NEVV	Saturn.....	NAGC	S. P. 2373 (Herreshoff Hull No. 322).....	NUDK
Roanoke.....	NHU	Savannah.....	NNM	S. P. 3218 (Resolute).....	NUGB
Robert L. Barnes.....	NAZZ	Scally (C. G. C.).....	NEKC	S. P. 3297 (Winthrop).....	NUBR
Robin.....	NANQ	Schenck.....	NEMG	S. P. Lee.....	NESB
Robinson.....	NAJX	Schley.....	NKT		
Rochester.....	NTR	Sciota.....	NEVK		
Rocket.....	NUT	Scorpius.....	NTT		

GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Sprigg Carroll.....	WZU	Sub. chaser No. 409.....	NOZZD	Umpqua.....	NATS
Sproston.....	NEVT	Sub. chaser No. 412.....	NOZJ	Unadilla.....	NEFT
Stansbury.....	NEXV	Sub. chaser No. 413.....	NOZK	Unalga (C. G. C.).....	NRX
Stellenwerf.....	NIDC	Sub. chaser No. 419.....	NOZR	Uncas.....	NVF
Sterrett.....	NTB	Sub. chaser No. 424.....	NOZZ	Undaunted.....	NNX
Stevens.....	NAPK	Sub. chaser No. 425.....	NIQB	United States.....	NUNQ
Stewart.....	NUNN	Sub. chaser No. 426.....	NIQC	Upshur.....	NERS
Stockton.....	NEO	Sub. chaser No. 427.....	NIQD	Upshur, Abel P.....	NUJD
Stoddert.....	NALZ	Sub. chaser No. 432.....	NIQL	Utah.....	NVE
Stribling.....	NAVS	Sub. chaser No. 439.....	NIQT	V-1.....	NICQ
Stringham.....	NACP	Sub. chaser No. 440.....	NIQV	V-2.....	NICR
Sturtevant.....	NUJP	Sub. chaser No. 441.....	NIQX	V-3.....	NICS
Sub. chaser No. 23.....	NOBQ	Sub. chaser No. 443.....	NIRB	V-4.....	NICT
Sub. chaser No. 57.....	NODF	Sub. chaser No. 444.....	NIRC	V-5.....	NICV
Sub. chaser No. 62.....	NODM	Sumac (L. H. T.).....	NASG	V-6.....	NICX
Sub. chaser No. 63.....	NODN	Summer.....	NUQX	V-7.....	NICZ
Sub. chaser No. 64.....	NODP	Sunflower (L. H. T.).....	NUFM	V-8.....	NIDD
Sub. chaser No. 69.....	NODR	Sunnadin.....	NEVB	V-9.....	NIDJ
Sub. chaser No. 71.....	NOTD	Surveyor (C. & G. S.).....	NQU	Vermont.....	NVK
Sub. chaser No. 93.....	NOFX	Swallow.....	NEFL	Vestal.....	NMC
Sub. chaser No. 100.....	NOGJ	Swan.....	NIJP	Vesuvius.....	NUBM
Sub. chaser No. 102.....	NOGL	Swasey.....	NIGP	Vicksburg.....	NVN
Sub. chaser No. 104.....	NOGN	Sylph.....	NTL	Villalobos.....	NVP
Sub. chaser No. 106.....	NOGQ	T-1.....	NILB	Vireo.....	NIKL
Sub. chaser No. 119.....	NOJK	T-2.....	NABB	Virginia.....	NVR
Sub. chaser No. 121.....	NOJM	Tanager.....	NABZ	Vixen.....	NSU
Sub. chaser No. 143.....	NOKN	Tacoma.....	NUA	Vulcan.....	NVT
Sub. chaser No. 145.....	NOKQ	Tacony.....	WUAE	Wadsworth.....	NKW
Sub. chaser No. 147.....	NOKR	Tadousac.....	NAZQ	Wahneta.....	NVI
Sub. chaser No. 154.....	NOLC	Talbot.....	NAPL	Wainwright.....	NKX
Sub. chaser No. 156.....	NOLF	Tallahassee.....	NUC	Walke.....	NWL
Sub. chaser No. 159.....	NOLK	Tallapoosa (C. G. C.).....	NRV	Walker.....	NESX
Sub. chaser No. 177.....	NOLR	Tanager.....	NABS	Wandank.....	NARF
Sub. chaser No. 185.....	NOMD	Tarbell.....	NEZP	Warbler.....	NIKM
Sub. chaser No. 186.....	NOMF	Tatnuck.....	NETQ	Ward.....	NAGS
Sub. chaser No. 188.....	NONJ	Tattnall.....	NEPS	Warren.....	WXN
Sub. chaser No. 190.....	NONL	Taylor (C. G. C.).....	NTIB	Warrington.....	NWD
Sub. chaser No. 191.....	NONM	Taylor.....	NALR	Washington.....	NWE
Sub. chaser No. 192.....	NONN	Teal.....	NAPN	Wasmuth.....	NUKC
Sub. chaser No. 195.....	NONR	Tennessee.....	NSE	Waters.....	NATT
Sub. chaser No. 210.....	NONT	Tern.....	NIKT	Welborn C. Wood.....	NULJ
Sub. chaser No. 214.....	NONS	Terry.....	NUI	Welles.....	NAJZ
Sub. chaser No. 223.....	NOPF	Texas.....	NCD	Wenonah (C. & GS).....	NJJ
Sub. chaser No. 224.....	NOFG	Thatcher.....	NESV	West Virginia.....	NEDJ
Sub. chaser No. 229.....	NOFN	Thomas.....	NIFN	Wheeling.....	NWH
Sub. chaser No. 231.....	NOPQ	Thomas.....	WXM	Whipple.....	NULN
Sub. chaser No. 232.....	NOPR	Thompson.....	NAZC	Whippoorwill.....	NIQJ
Sub. chaser No. 237.....	NOpz	Thompson, Smith.....	NUJJ	Whitney.....	NIRL
Sub. chaser No. 251.....	NOQQ	Thornton.....	NWX	Wickes.....	NATJ
Sub. chaser No. 252.....	NOQR	Thrush.....	NIKS	Widgeon.....	NAQF
Sub. chaser No. 253.....	NOQS	Tillman.....	NEQT	Wilhelmina.....	NDE
Sub. chaser No. 263.....	NORJ	Tingard (C. G. C.).....	NISB	Wilkes.....	NKQ
Sub. chaser No. 264.....	NORK	Tingey.....	NWY	Willet.....	NIKN
Sub. chaser No. 270.....	NORR	Tippicanoe.....	NUGV	William B. Preston.....	NUMQ
Sub. chaser No. 271.....	NORS	Tonopah.....	NUN	William Jones.....	NARR
Sub. chaser No. 273.....	NORV	Topeka.....	NLY	Williams.....	NENT
Sub. chaser No. 277.....	NOSC	Torpedo Test Barge	NIFR	Williamson.....	NUNS
Sub. chaser No. 278.....	NOSD	No. 1.		Willoughby.....	NJX
Sub. chaser No. 283.....	NOSL	Torpedo Test Barge	NIFS	Wilmington.....	NWK
Sub. chaser No. 284.....	NOSM	No. 2.		Winslow.....	NJA
Sub. chaser No. 287.....	NOSQ	Torpedo Test Barge	NIFX	Wisconsin.....	NWM
Sub. chaser No. 294.....	NOTB	No. 3.		Wolverine.....	NGW
Sub. chaser No. 295.....	NOTC	Torpedo Test Barge	NIFZ	Wompatuck.....	NVJ
Sub. chaser No. 298.....	NOTG	No. 4.		Wood.....	NUMF
Sub. chaser No. 299.....	NOTJ	Toucey.....	NULX	Woodbury.....	NATM
Sub. chaser No. 301.....	NOTL	Tracy.....	NUJL	Woodcock.....	NIKP
Sub. chaser No. 303.....	NOTN	Traffic.....	NVA	Worden.....	NUNM
Sub. chaser No. 305.....	NOTQ	Trenton.....	NISR	Wright.....	NIRN
Sub. chaser No. 306.....	NOTR	Trever.....	NUMP	Wyoming.....	NWQ
Sub. chaser No. 308.....	NOTT	Trinity.....	NUGX	Yacona.....	NJM
Sub. chaser No. 310.....	NOTX	Trippie.....	NUQ	Yamacraw.....	NRY
Sub. chaser No. 320.....	NOVC	Triton.....	NVC	Yarborough.....	NUMC
Sub. chaser No. 326.....	NOVL	Truxtun.....	NUQK	Yarnall.....	NIGS
Sub. chaser No. 328.....	NOVN	Tucker.....	NKV	Yocona.....	NUNB
Sub. chaser No. 330.....	NOVQ	Tulip (L. H. T.).....	NXX	Young.....	NESG
Sub. chaser No. 332.....	NOVS	Tulsa.....	NIST	Zane.....	NUMN
Sub. chaser No. 340.....	NOXF	Turkey.....	NIJF	Zeilin.....	NUMB
Sub. chaser No. 341.....	NOXG	Turner.....	NERQ	Zizania (L. H. T.).....	NZZ
Sub. chaser No. 353.....	NOXS	Tuscarora (C. G. C.).....	NRL		
Sub. chaser No. 408.....	NOZC	Twiggs.....	NEPV		

# GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS.

Call.	Station.		Call.	Station.
KDEF	Omaha, Nebr.	c	NDJ	Gorgona.....
KDEG	Cheyenne, Wyo.	c	NDM	Cleveland.....
KDEH	Salt Lake City, Utah.	c	NDN	Pueblo.....
KDEJ	Elko, Nev.	c	NDO	Comfort.....
KDEK	Reno, Nev.	c	NDQ	Connecticut.....
KDEL	St. Louis, Mo.	c	NDR	Lydonia.....
KDHM	North Platte, Nebr.	c	NDU	Culgoa.....
KDHN	Rock Springs, Wyo.	c	NDV	S. P. 493 (Cahill)
KDPB	Minneapolis, Minn.	c	NDW	Cape Hatteras, N. C.
KDQA	Chicago, Ill.	c	NEK	Delaware.....
KDQC	Cincinnati, Ohio.	c	NEL	Lakehurst, N. J.
KEXQ	South Bend.....	b	NEM	Denver.....
KGU	Kanakanak, Alaska	c	NEN	Des Moines.....
KIML	Santa Leonora.....	b	NEO	Stockton.....
KKI	Kilkenny.....	b	NEP	Dixie.....
KUVS	New York, N. Y.	c	NEQ	Dolphin.....
NAA	Washington, D. C. (Arlington)	c	NET	Drayton.....
NAC	Portsmouth, N. H.	c	NEU	Dubuque.....
NAD	Boston, Mass.	c	NEV	Savannah, Ga.
NAF	Newport, R. I.	c	NEX	S. P. 1014 (Sea Rover)
NAH	New York, N. Y.; Fire Island, N. Y.	c	NEY	Constellation (old)
NAI	Philadelphia, Pa.	c	NFA	Brooklyn.....
NAJ	Great Lakes, Ill.	c	NFD	El Cano.....
NAK	Naval Academy, Annapolis, Md.	c	NFE	Charleston.....
NAL	Washington, D. C. (Navy Yard)	c	NFM	Fanning.....
NAM	Norfolk, Va., Hampton Roads, Va.	c	NFR	Florida.....
NAN	Morehead City, N. C.	c	NFU	Nantucket.....
NAO	Charleston, S. C.	c	NFV	Quantico, Va.
NAP	St. Augustine, Fla.	c	NFX	Housatonic.....
NAQ	Jupiter, Fla.	c	NFY	Intrepid.....
NAR	Key West, Fla.	c	NFZ	Rainbow.....
NAS	Pensacola, Fla.	c	NGA	Columbia.....
NAT	New Orleans, La.	c	NGB	Minneapolis.....
NAU	San Juan, P. R.	c	NGC	Boston.....
NAV	Parris Island, S. C.	c	NGD	Galveston.....
NAW	Guantanamo Bay, Cuba.	c	NGE	Miami, Fla.
NAX	Colon, C. Z.	c	NGF	Georgia.....
NAY	Point Isabel, Tex.	c	NGG	Olympia.....
NAZ	Managua, Nicaragua.	c	NGH	Glacier.....
NBA	Balboa, C. Z.	c	NGI	Chattanooga.....
NBB	St. Thomas, V. I.	c	NGJ	Goldsborough.....
NBD	Bar Harbor, Me.	c	NGL	St. Petersburg, Fla.
NBG	Indian Head, Md.	c	NGN	Pensacola.....
NBJ	Albany.....	b	NGP	Beaufort.....
NBL	Alert.....	b	NGQ	Quincy.....
NBP	Ammen.....	b	NGR	Bridgeport.....
NBR	Annapolis.....	b	NGS	Savannah.....
NBU	Arethusa.....	b	NGT	Mobile, Ala.
NBV	Arkansas.....	b	NGU	Hannibal.....
NBW	Arizona.....	b	NGV	Hartford.....
NBZ	Baltimore, Md.	c	NGW	Wolverine.....
NCA	Nevada.....	b	NGY	Helena.....
NCB	Oklahoma.....	b	NGZ	Houston.....
NCC	New York.....	b	NHA	Henley.....
NCD	Texas.....	b	NHD	Monsadnock.....
NCE	Pennsylvania.....	b	NHF	S. P. 521 (Isabel)
NCF	Bailey.....	b	NHH	Ozark.....
NCH	Baltimore.....	b	NHI	Hancock.....
NCL	Beale.....	b	NHN	Idaho.....
NCN	Birmingham.....	b	NHO	Illinois.....
NCR	Canandaigua.....	b	NHS	Gulfport.....
NCU	Buffalo.....	b	NHU	Roanoke.....
NCV	Burrows.....	b	NHV	Iroquois.....
NCX	Dreadnaught.....	b	NHW	Kittery.....
NCY	Caesar.....	b	NHY	Bath.....
NCZ	Virginia Beach, Va.	c	NHZ	Newport News.....
NDB	Celtic.....	b	NIB	Jarvis.....
NDD	Savville, N. Y.	c	NID	Jenkins.....
NDE	Wilhelmina.....	b	NIE	Jouett.....
NDF	California.....	b	NIH	Aylwin.....
NDG	Chester.....	b	NII	Balch.....
NDH	Cheyenne.....	b	NIJ	Benham.....
NDI	Chicago.....	b	NIK	Cassin.....

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NIL	Cummings	b	<b>NNA</b>	Brutus
NIM	Cushing	b	NNB	Jason
NIN	Downes	b	NNC	Langley
NIO	Kansas	b	NND	Kanawha
NIP	Kearsarge	b	NNE	Maumee
NIQ	Kentucky	b	NNF	Nereus
NIR	Duncan	b	NNG	Proteus
NIS	Ericsson	b	NNH	Leonidas
NIT	McDougal	b	NNI	St. Croix, V. I.
NIU	Nicholson	b	NNK	Nanshan
NIV	O'Brien	b	NNL	Coco Solo, C. Z.
NIX	Parker	b	NNM	Saturn
NIZ	Lebanon	b	NNQ	S. P. 813 (Corona)
<b>NJA</b>	Winslow	b	NNT	Capo Mela, R. P.
NJB	Louisiana	b	NNW	La Palma, R. P.
NJD	Allen	b	NNX	Undaunted
NJE	Conyngham	b	NNZ	Buffalo, N. Y.
NJF	Davis	b	<b>NOA</b>	Osceola
NJG	San Domingo City, D. R.	b	NOB	Abarenda
NJI	S. P. 951 (Utowanah)	b	NOC	Orion
NJJ	Wenonah	b	NOD	Cuyama
NJL	Maine	b	NOE	Penobscot
NJM	Yacoma	b	NOG	Paducah
NJO	Rappahannock	b	NOH	Henderson
NJR	Mars	b	NOI	Bridge
NJS	Frederick	b	NOJ	Panther
NJU	Mayrant	b	NOK	Patterson
NJV	Mayflower (President's yacht)	b	NOL	Patapsco
NJW	McCall	b	NOM	Paxtuxent
NJX	Willoughby	b	NON	Paulding
NJY	Port Arthur, Tex.	c	NOO	Porter
NJZ	Michigan	b	NOT	Pittsburgh
<b>NKA</b>	Melville	b	NOW	Peoria
NKB	Galveston, Tex.	c	NOX	Perkins
NKC	Navassa Island, W. I.	c	<b>NPA</b>	Cordova, Alaska
NKD	Minnesota	b	NPB	Sitka, Alaska
NKE	Mississippi	b	NPD	Tatoosh, Wash.
NKF	Missouri	b	NPE	North Head, Wash.
NKG	S. P. 1116 (Genesee)	b	NPF	Marshfield, Oreg.
NKK	Mercy	b	NPG	San Francisco, Calif.
NKL	Monaghan	b	NPH	Vladivostok, Siberia
NKM	Missoula	b	NPI	Farallons, Calif.
NKN	Monterey	b	NPK	Point Arguello, Calif.
NKP	S. P. 714 (Galatea)	b	NPL	San Diego, Calif.
NKQ	Wilkes	b	NPM	{ Honolulu, Pearl Harbor, Heeia Point, Hawaii
NKR	Rowan	b	NPN	Guam, Guam
NKS	Sampson	b	NPO	Cavite, P. I.
NKT	Schley	b	NPP	Peking, China
NKU	Shaw	b	NPQ	St. Paul, Alaska
NKV	Tucker	b	NPR	Dutch Harbor, Alaska
NKW	Wadsworth	b	NPS	Kodiak, Alaska
NKX	Wainwright	b	NPT	Olongapo, P. I.
NKZ	Navajo	b	NPU	Tutuila, Samoa
<b>NLA</b>	Nantucket Shoals L. V. No. 83	b	NPV	Seaward, Alaska
NLC	Frying Pan Shoals L. V. No. 94	b	NPW	Eureka, Calif.
NLF	Kukui	b	NPX	San Pedro, Calif.
NLJ	Pathfinder	b	NPY	St. George, Alaska
NLK	Bache	b	NPZ	Puget Sound, Wash.
NLL	Columbine	b	<b>NQE</b>	S. P. 1250 (Nahant)
NLM	Cypress	b	NQF	Pompey
NLP	Heald Bank L. V. No. 81	b	NQL	Potomac
NLS	Fire Island L. V. No. 68	b	NQM	Machias
NLT	Orchid	b	NQP	Prairie
NLU	Manzanita	b	NQQ	S. P. 524 (Margaret)
NLV	Sequoia	b	NQR	Monocacy
NLW	Cedar	b	NQS	Prometheus
NLY	Topeka	b	NQT	Palos
NLZ	Constitution (old)	b	NQU	Pampanga
<b>NMA</b>	Nebraska	b	NQV	Surveyor
NMB	Manati, Cuba	c	NQW	Sacramento
NMC	Vestal	b	NQY	New Mexico
NME	New Hampshire	b	NQZ	Albatross
NMF	New Jersey	b	<b>NRA</b>	Quirios
NMG	New Orleans	b	NRB	Algonquin
NMH	Newport	b	NRC	Bear
NMK	Aroostook	b	NRD	Morrill
NML	Shawmut	b	NRE	Androscoggin
NMN	Charlotte	b	NRF	Seneca
NMO	North Dakota	b	NRG	Snohomish
NMS	Neptune	b		Gresham
NMW	Ohio	b		
NMZ	Oregon	b		

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.	Call.	Station.
NRH	Cleveland, Ohio.....	c	NVW
NRI	Itasca.....	b	NVX
NRJ	Ossipee.....	b	NVZ
NRK	Puerto Obaldia, R. P.....	c	<b>NWB</b>
NRL	Tuscarora.....	b	NWC
NRN	Manning.....	b	NWD
NRO	Onondaga.....	b	NWE
NRQ	Detroit, Mich.....	c	NWF
NRR	Pamlico.....	b	NWG
NRS	Seminole.....	b	NWH
NRT	Little.....	b	NWJ
NRU	Acushnet.....	b	NWK
NRV	Tallapoosa.....	b	NWL
NRW	Comanche.....	b	NWM
NRX	Unalga.....	b	NWQ
NRY	Yamacraw.....	b	NWS
<b>NSC</b>	Port au Prince, Haiti.....	c	NWT
NSD	Cape May, N. J.....	c	NWU
NSE	Tennessee.....	b	NWV
NSF	Anacostia, D. C.....	c	NWX
NSH	Manley.....	b	NWY
NSI	Caldwell.....	b	<b>NXA</b>
NSM	Alpena, Mich.....	c	NXH
NSN	Conner.....	b	NXI
NSP	Arapaho.....	b	NXJ
NSR	Frankfort, Mich.....	c	NXK
NSS	Annapolis, Md.....	c	NXL
NST	Solace.....	b	NXM
NSU	Dixon.....	b	NXX
NSW	South Carolina.....	b	NXO
NSX	Huron.....	b	NXP
NSZ	Cumberland.....	b	NXQ
<b>NTA</b>	Ontario.....	b	NXR
NTB	Sterrett.....	b	NXS
NTD	S. P. 1161 (Francis B. Hackett).....	b	NXT
NTF	St. Louis.....	b	NXU
NTG	Sonoma.....	b	NXV
NTL	Sylph.....	b	NXW
NTM	Ludington, Mich.....	c	NXX
NTN	Fairfax.....	b	NXZ
NTO	Mohave.....	b	<b>NYA</b>
NTP	Salem.....	b	NYB
NTQ	San Francisco.....	b	NYD
NTR	Rochester.....	b	NYE
NTT	Scorpion.....	b	NYF
NTX	Rhode Island.....	b	NYG
NTZ	Roe.....	b	NYH
<b>NUA</b>	Tacoma.....	b	NYI
NUB	Manistique, Mich.....	c	NYJ
NUC	Tallahassee.....	b	NYK
NUD	Mackinac Island, Mich.....	c	NYL
NUG	Calumet, Mich.....	c	NYM
NUH	Pawnee.....	b	NYN
NUI	Terry.....	b	NYO
NUJ	Pawtucket.....	b	NYP
NUK	Milwaukee, Wis.....	b	NYQ
NUL	Pentucket.....	b	NYR
NUN	Tonopah.....	b	NYS
NUQ	Trippie.....	b	NYT
NUR	Chicago, Ill.....	c	NYU
NUT	Rocket.....	b	NYV
NUU	Samoset.....	b	NYW
NUV	Sebago.....	b	NYX
NUX	Duluth, Minn.....	c	NYY
NUZ	Astoria, Oreg.....	c	<b>NZA</b>
<b>NVA</b>	Traffic.....	b	NZC
NVC	Triton.....	b	NZD
NVD	Juneau, Alaska.....	c	NZE
NVE	Utah.....	b	NZF
NVF	Uncas.....	b	NZG
NVH	Ketchikan, Alaska.....	c	NZH
NVI	Wahmeta.....	b	NZI
NVJ	Wompattuck.....	b	NZJ
NVK	Vermont.....	b	NZK
NVL	Seattle, Wash.....	c	NZQ
NVN	Vicksburg.....	b	NZR
NVP	Villalobos.....	b	NZT
NVR	Virginia.....	b	NZU
NVS	Farragut.....	b	NZZ
NVT	Vulcan.....	b	<b>NABB</b>
NVU	Bagley.....	b	NABC
NVV	Barney.....	b	NABG

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NABJ	Light Vessel No. 66.....	c	NAMC	Mexican.....
NABP	Anemone (L. H. T.).....	b	NAMD	Reno.....
NABS	Tanager.....	b	NAMG	Gen. Alava.....
NABT	Swiftsure Bank L. V. No. 96.....	c	NAMN	Narragansett.....
NABV	Cape Lookout Shoals L. V. No. 80.....	c	NAMR	O-3.....
NABX	Brunswick L. V. No. 84.....	c	NAMS	Portland L. V. No. 74.....
NABZ	T-3.....	b	NAMT	Boggs.....
NACB	Apache.....	b	NAMV	Madrono.....
NACD	Relief L. V. No. 76.....	b	NAMX	O-4.....
NACL	Hale.....	c	NAMZ	O-5.....
NACN	Dyer.....	b	NANC	O-6.....
NACP	Stringham.....	b	NAND	O-7.....
NACQ	McKee.....	b	NANJ	O-8.....
NACR	Rapidan.....	b	NANQ	Plattsburg.....
NACS	Owl.....	b	NANS	Robin.....
NACT	Blunts Reef L. V. No. 83.....	c	NANT	Pollock Rip L. V. No. 47.....
NACV	Umatilla Reef L. V. No. 67.....	c	NANV	Stone Horse Shoal L. V. No. 5.....
NACX	Vineyard Sound L. V. No. 41.....	c	NANX	Mangrove.....
NACZ	Alleghany.....	b	NANZ	Sagamore.....
NADB	Relief No. 92.....	c	NAPG	Farquhar.....
NADD	Arcata.....	b	NAPK	Seattle.....
NADF	Crowningshield.....	b	NAPL	Stevens.....
NADL	Kimberly.....	b	NAPM	Talbot.....
NADP	Avocet.....	b	NAPP	Converse.....
NADQ	S. P. 1232 (Barneget).....	b	NAPR	Teal.....
NADT	Winter Quarter Shoals L. V. No. 91.....	c	NAPR	Hen & Chickens L. V. No. 42.....
NADV	Five Fathom Bank L. V. No. 79.....	c	NAPR	Camden.....
NADX	Boston L. V. No. 54.....	c	NAPS	Magnolia.....
NAFC	Dickerson.....	b	NAPT	Amaranth.....
NAFF	Brant.....	b	NAPV	Maple.....
NAFL	Leary.....	b	NAQB	L. V. No. 20.....
NAFN	Cardinal.....	b	NAQC	Piscataqua.....
NAFP	Cayuga.....	b	NAQF	Widgeon.....
NAFS	Burns.....	b	NAQJ	Rail.....
NAFT	Pollock Rip Slue L. V. No. 78.....	c	NAQM	S. P. 2047 (Moosehead).....
NAFV	Fern.....	b	NAQN	Paul Hamilton.....
NAFX	R-17.....	b	NAQS	Handkerchief L. V. No. 3.....
NAFZ	Semmes.....	b	NAQV	Marigold.....
NAGB	O-9.....	b	NARC	Maryland.....
NAGC	Satterlee.....	b	NARF	Wandank.....
NAGG	Mason.....	b	NARG	Chemung.....
NAGJ	Graham.....	b	NARN	S. P. 1213 (Montauk).....
NAGL	Chandler.....	b	NARP	Aramis.....
NAGM	Arbutus.....	b	NARR	William Jones.....
NAGQ	Curacao.....	b	NARS	Northeast End (N. J.) L. V. No. 44.....
NAGS	Ward.....	b	NART	Martin's Industry (N. C.) L. V. No. 1.....
NAGT	South Pass (La.) L. V. No. 102.....	c	NARV	Scotland (N. Y.) L. V. No. 11.....
NAGV	Hyacinth.....	b	NARX	Ram Island Reef (Conn.) L. V. No. 23.....
NAGX	Gwin.....	b	NARZ	R-20.....
NAJB	Sigourney.....	b	NASB	Brenton Reef (R. I.) L. V. No. 39.....
NAJC	Relief No. 53.....	c	NASC	Cornfield Point (Conn.) L. V. No. 48.....
NAJD	Black Hawk.....	b	NASD	Rose.....
NAJJ	Relief No. 86.....	c	NASG	Sumac.....
NAJK	Southard.....	b	NASK	Relief No. 16.....
NAJL	Colhoun.....	b	NASM	O-16.....
NAJP	Finch.....	b	NASV	R-15.....
NAJQ	Bancroft.....	b	NASX	R-16.....
NAJR	Gregory.....	b	NATD	Hedge Fence (Mass.) L. V. No. 9.....
NAJS	Fenwick Island Shoals L. V. No. 52.....	c	NATG	Bell.....
NAJT	Columbia River L. V. No. 88.....	c	NATJ	Wickes.....
NAJV	Cape Charles L. V. No. 101.....	c	NATM	Woodbury.....
NAJX	Robinson.....	b	NATS	Umpqua.....
NAJZ	Welles.....	b	NATT	Waters.....
NAKD	Ajax.....	b	NAVM	Explorer.....
NAKL	Heather.....	b	NAVS	Stribling.....
NAKN	Hibiscus.....	b	NAXJ	Montgomery.....
NAKS	San Francisco L. V. No. 70.....	c	NAXK	Murray.....
NAKT	Overfalls L. V. No. 69.....	c	NAXN	Kewaydin.....
NAKV	Ivy.....	b	NAXS	O-15.....
NAKK	Kilt.....	b	NAXT	O-10.....
NALC	Lapwing.....	b	NAZC	Thompson.....
NALK	Lykens.....	b	NAZJ	Charleston (S. C.) L. V. No. 34.....
NALL	Iris.....	b	NAZL	Lamberton.....
NALP	Kingfisher.....	b	NAZM	Kennedy.....
NALQ	S. P. 164 (May).....	b	NAZP	Bagaduce.....
NALR	Taylor.....	b	NAZQ	Tadoussac.....
NALS	Ambrose Channel L. V. No. 87.....	c	NAZR	Tail of horseshoe (Va.) L. V. No. 46.....
NALT	Ringgold.....	b	NAZS	Kalmia.....
NALV	Laurel.....	b	NAZV	Relief No. 4.....
NALZ	Stoddert.....	b	NAZZ	Robert L. Barnes.....
NAMB	Larkspur.....	b	NEBF	Constitution.....

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NEBJ	Meade.....	b	NENV	Hart.....
NEBV	H-9.....	b	NENX	Ingraham.....
NECD	S. P. 2225 (Navigator).....	b	NENZ	Ludlow.....
NECK	Farenholz.....	b	NEPB	Hovey.....
NECR	Colorado.....	b	NEPD	Long, J. D.....
NECT	Penguin.....	b	NEPF	Broome.....
NECV	Palmer.....	b	NEPG	Maury.....
NECZ	Sotoyomo.....	b	NEPQ	(Relief) Hospital Ship No. 1.....
NEDB	Lexington.....	b	NEPS	Tattnall.....
NEDF	Constellation.....	b	NEPT	Badger.....
NEDG	Philip.....	b	NEPV	Twiggs.....
NEDJ	West Virginia.....	b	NEPX	Babbitt.....
NEDN	Ozette.....	b	NEPZ	Jacob Jones.....
NEDX	Nero.....	b	NEQF	Monteal.....
NEFC	H-6.....	b	NEQK	Mahan.....
NEFK	Pelican.....	b	NEQL	Oil Barge No. 9.....
NEFL	Swallow.....	b	NEQM	H-4.....
NEFS	S. P. 181 (Helori).....	b	NEQQ	Beaver.....
NEFT	Unadilla.....	b	NEYA	Buchanan.....
NEFZ	Long Beach.....	b	NEQT	Tillman.....
NEGC	R-18.....	b	NEQX	Kennison.....
NEGD	Luce.....	b	NEQZ	Claxton.....
NEGF	Dent.....	b	NERB	Gilmore.....
NEGK	R-19.....	b	NERG	Aulick.....
NEGS	Fortune.....	b	NERJ	Craven.....
NEJB	Eagle 1.....	b	NERL	Lansdale.....
NEJC	Eagle 2.....	b	NERQ	Turner.....
NEJD	Eagle 3.....	b	NERR	Gillis.....
NEJF	Eagle 4.....	b	NERS	Upshur.....
NEJG	Eagle 5.....	b	NERT	Greer.....
NEJJ	Eagle 6.....	b	NERV	Elliot.....
NEJK	Eagle 7.....	b	NERX	Roper.....
NEJL	Eagle 8.....	b	NERZ	Breckinridge.....
NEJM	Eagle 9.....	b	NESB	S. P. Lee.....
NEJN	Eagle 10.....	b	NESC	Relief L. V. No. 49.....
NEJP	Eagle 11.....	b	NESG	Young.....
NEJQ	Eagle 12.....	b	NESJ	H-7.....
NEJR	Eagle 13.....	b	NESM	Breee.....
NEJS	Eagle 14.....	b	NESN	S. P. 1121 (Osborne).....
NEJT	Eagle 15.....	b	NESR	Fathomer (C. & G. S.).....
NEJV	McGourty.....	b	NESS	Bernadou.....
NEJX	Eagle 17.....	b	NEST	Cole.....
NEJZ	Eagle 18.....	b	NESV	Thatcher.....
NEKB	Eagle 19.....	b	NESX	Walker.....
NEKC	Scally.....	b	NESZ	Crosby.....
NEKD	Bothwell.....	b	NETB	McFarland.....
NEKF	Earp.....	b	NETD	Mahopac.....
NEKG	Eagle 23.....	b	NETF	Lea.....
NEKJ	Eagle 24.....	b	NETG	H-5.....
NEKM	S. P. 724 (Fearless).....	b	NETJ	O-2.....
NEKN	Falcon.....	b	NETK	O-11.....
NEKP	Harbor Tug No. 74.....	b	NETL	O-12.....
NEKQ	Champlin.....	b	NETQ	Tatnick.....
NEKR	Hercules.....	b	NETS	Meredith.....
NEKS	S. P. 1015 (Challenge).....	b	NETT	Bush.....
NEKZ	Manhattan.....	b	NETV	Cowell.....
NELB	Saratoga.....	b	NETX	Mattox.....
NELF	Ranger.....	b	NETZ	Koka.....
NELG	Dorsey.....	b	NEVB	Sunnadin.....
NELK	Pyro.....	b	NEVC	Napa.....
NELL	Nitro.....	b	NEVD	O-14.....
NELN	H-8.....	b	NEVK	Sciota.....
NELR	Contocook.....	b	NEVL	Pinola.....
NELV	Ashville.....	b	NEVM	Oriole.....
NELX	Aaron Ward.....	b	NEVP	Algorma.....
NEMC	Medusa.....	b	NEVQ	Carrabasset.....
NEMD	Sara Thompson.....	b	NEVR	Iuka.....
NEMG	Schenck.....	b	NEVS	Anthony.....
NEMJ	Herbert.....	b	NEVT	Sproston.....
NEML	Branch.....	b	NEVV	Rizal.....
NEMS	Evans.....	b	NEVX	Mackenzie.....
NEMT	McKean.....	b	NEVZ	Renshaw.....
NEMV	Harding.....	b	NEXB	Radford.....
NEMX	Gridley.....	b	NEXC	Keosanqua.....
NEMZ	Chew.....	b	NEXF	Eagle 26.....
NENG	Israel.....	b	NEXG	Eagle 27.....
NENJ	Herndon.....	b	NEXJ	O-1.....
NENL	Heron.....	b	NEXL	Knudsen.....
NENN	Dallas.....	b	NEXM	Eagle 28.....
NENS	Atlantic.....	b	NEXN	Eagle 29.....
NENT	Hazelwood.....	b	NEXP	Carl.....
	Williams.....	b	NEXR	Mugford.....

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NEXS	O'Bannon	b	NIGJ	Laub
NEXT	Hogan	b	NIGK	McLanahan
NEXV	Stansbury	b	NIGL	Edwards
NEXX	Hopewell	b	NIGM	Greene
NEXZ	Haraden	b	NIGN	Ballard
NEZG	Eagle 31	b	NIGP	Swasey
NEZJ	Eagle 32	b	NIGQ	John Frances Burnes
NEZN	O-13	b	NIGR	J. Fred Talbot
NEZP	Tarbell	b	NIGS	Yarnall
NEZQ	Delphy	b	NIGT	Cook
NEZR	Gamble	b	NIJB	Curlew
NEZS	Abbot	b	NIJF	Turkey
NEZT	Clemson	b	NIJG	Partridge
NEZV	Hatfield	b	NIJJ	Bobolink
NEZX	Brooks	b	NIJK	Lark
NEZZ	Belknap	b	NIJL	Osprey
<b>NIBB</b>	Eagle 33	b	NIJM	Seagull
NIBC	Eagle 39	b	NIJN	Flamingo
NIBD	Eagle 34	b	NIJP	Swan
NIBF	Eagle 40	b	NIJQ	Whippoorwill
NIBG	Eagle 35	b	NIJR	Bittern
NIBJ	Eagle 41	b	NIJS	Sanderling
NIBK	Eagle 36	b	NIJT	Auk
NIBL	Eagle 42	b	NIJV	Chewink
NIBM	Eagle 37	b	NIJX	Gannet
NIBN	Eagle 38	b	NIKB	Mallard
NIBP	Eagle 43	b	NIKC	Ortolan
NIBQ	Eagle 44	b	NIKD	Peacock
NIBR	Eagle 45	b	NIKF	Pigeon
NIBS	Eagle 46	b	NIKG	Redwing
NIBT	Eagle 47	b	NIKK	Sandpiper
NIBV	Eagle 48	b	NIKL	Vireo
NIBX	Eagle 49	b	NIKM	Warbler
NIBZ	Eagle 50	b	NIKN	Willet
NICB	Eagle 51	b	NIKP	Woodcock
NICC	Eagle 52	b	NIKQ	Quail
NICD	Eagle 53	b	NIKR	Eider
NICF	Eagle 54	b	NIKS	Thrush
NICG	Eagle 55	b	NIKT	Tern
NICJ	Eagle 56	b	NIKV	Cormorant
NICK	Eagle 57	b	NIKX	Grebe
NICL	Eagle 58	b	NIKZ	Raven
NICM	Eagle 59	b	NI LB	T-1
NICN	Eagle 60	b	NI LC	R-1
NICP	Cygan	b	NI LD	R-2
NICQ	V-1	b	NI LF	R-3
NICR	V-2	b	NI LG	R-4
NICS	V-3	b	NI LJ	R-5
NICT	V-4	b	NI LK	R-6
NICV	V-5	b	NI LL	R-7
NICX	V-6	b	NI LM	R-8
NICZ	V-7	b	NI LN	R-9
NIDB	Quigley	b	NI LP	R-10
NIDC	Stellenwerf	b	NI LQ	R-11
NIDD	V-8	b	NI LR	R-12
NIDF	Despatch	b	NI LS	R-13
NIDG	Richards	b	NI LT	R-14
NIDJ	V-9	b	NI LV	R-21
NIDL	Mehalatos	b	NI LX	R-22
NIFB	Crane	b	NI LZ	R-23
NIFC	Ramsay	b	NI MB	R-24
NIFD	Ellis	b	NI MC	R-25
NIFF	Chauncey	b	NI MD	R-26
NIFG	Fuller	b	NI MF	R-27
NIFI	Percival	b	NI MG	S-1
NIFK	Brazos	b	NI MJ	S-2
NIFL	Hamilton	b	NI MK	S-3
NIFM	Howard	b	NI ML	S-4
NIFN	Thomas	b	NI MM	S-5
NIFP	Neches	b	NI MN	S-6
NIFQ	Pecos	b	NI MP	S-7
NIFR	Torpedo Test Barge No. 1	b	NI MQ	S-8
NIFS	Torpedo Test Barge No. 2	b	NI MR	S-9
NIFT	Coast Torpedo Boat No. 6	b	NI MS	S-10
NIFV	Cyan	b	NI MT	S-11
NIFX	Torpedo Test Barge No. 3	b	NI MV	S-12
NIFZ	Torpedo Test Barge No. 4	b	NI MX	S-13
NIGB	McCook	b	NI MZ	S-14
NIGC	McCalla	b	NI NB	S-15
NIGD	Kalk	b	NI NC	S-16
NIGF	Ingram, Osmond	b	NI ND	S-17
NIGG	McDermut	b	NI NF	S-18

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NING	S-19	b	NOFX	Sub. chaser No. 93.....b
NINJ	S-20	b	NOGJ	Sub. chaser No. 100.....b
NINK	S-21	b	NOGL	Sub. chaser No. 102.....b
NINL	S-22	b	NOGN	Sub. chaser No. 104.....b
NIMM	S-23	b	NOGQ	Sub. chaser No. 106.....b
NINN	S-24	b	NOJK	Sub. chaser No. 119.....b
NINP	S-25	b	NOJM	Sub. chaser No. 121.....b
NINQ	S-26	b	NOKN	Sub. chaser No. 143.....b
NINR	S-27	b	NOKQ	Sub. chaser No. 145.....b
NINS	S-28	b	NOKR	Sub. chaser No. 147.....b
NINT	S-29	b	NOLC	Sub. chaser No. 154.....b
NINV	S-30	b	NOLF	Sub. chaser No. 156.....b
NINX	S-31	b	NOLK	Sub. chaser No. 159.....b
NINZ	S-32	b	NOLR	Sub. chaser No. 177.....b
NIPB	S-33	b	NOMD	Sub. chaser No. 185.....b
NIPC	S-34	b	NOMF	Sub. chaser No. 186.....b
NIPD	S-35	b	NOMJ	Sub. chaser No. 188.....b
NIPF	S-36	b	NOML	Sub. chaser No. 190.....b
NIPG	S-37	b	NOMM	Sub. chaser No. 191.....b
NIPJ	S-38	b	NOMN	Sub. chaser No. 192.....b
NIPK	S-39	b	NOMR	Sub. chaser No. 195.....b
NIPL	S-40	b	NONN	Sub. chaser No. 210.....b
NIPM	S-41	b	NONS	Sub. chaser No. 214.....b
NIPN	S-42	b	NOPF	Sub. chaser No. 223.....b
NIPP	S-43	b	NOPG	Sub. chaser No. 224.....b
NIPQ	S-44	b	NOPN	Sub. chaser No. 229.....b
NIPR	S-45	b	NOPQ	Sub. chaser No. 231.....b
NIPS	S-46	b	NOPR	Sub. chaser No. 232.....b
NIPT	S-47	b	NOPZ	Sub. chaser No. 237.....b
NIPV	S-48	b	NOQQ	Sub. chaser No. 251.....b
NIPX	S-49	b	NOQR	Sub. chaser No. 252.....b
NIPZ	S-50	b	NOQS	Sub. chaser No. 253.....b
NIQB	Sub. chaser No. 425	b	NORJ	Sub. chaser No. 263.....b
NIQC	Sub. chaser No. 426	b	NORK	Sub. chaser No. 264.....b
NIDQ	Sub. chaser No. 427	b	NORR	Sub. chaser No. 270.....b
NIQK	S-51	b	NORS	Sub. chaser No. 271.....b
NIQL	Sub. chaser No. 432	b	NORV	Sub. chaser No. 273.....b
NIQP	Johansson.....	b	NOSC	Sub. chaser No. 277.....b
NIQT	Sub. chaser No. 439	b	NOSD	Sub. chaser No. 278.....b
NIQV	Sub. chaser No. 440	b	NOSL	Sub. chaser No. 283.....b
NIQX	Sub. chaser No. 441	b	NOSM	Sub. chaser No. 284.....b
NIRB	Sub. chaser No. 443	b	NOSQ	Sub. chaser No. 287.....b
NIRC	Sub. chaser No. 444	b	NOTB	Sub. chaser No. 294.....b
NIRL	Whitney.....	b	NOTC	Sub. chaser No. 295.....b
NIRM	Holland.....	b	NOTG	Sub. chaser No. 298.....b
NIRN	Wright.....	b	NOTJ	Sub. chaser No. 299.....b
NIRP	Iowa.....	b	NOTL	Sub. chaser No. 301.....b
NIRQ	Massachusetts.....	b	NOTN	Sub. chaser No. 303.....b
NIRR	Marblehead.....	b	NOTQ	Sub. chaser No. 305.....b
NIRS	Indiana.....	b	NOTR	Sub. chaser No. 306.....b
NIRT	Raleigh.....	b	NOTT	Sub. chaser No. 308.....b
NIRV	Concord.....	b	NOTX	Sub. chaser No. 310.....b
NISB	Tingard.....	b	NOVC	Sub. chaser No. 320.....b
NISC	Klingelhoefer.....	b	NOVL	Sub. chaser No. 326.....b
NISD	Boyce.....	b	NOVN	Sub. chaser No. 328.....b
NISG	South Dakota.....	b	NOVQ	Sub. chaser No. 330.....b
NISJ	Montana.....	b	NOVS	Sub. chaser No. 332.....b
NISK	North Carolina.....	b	NOXF	Sub. chaser No. 340.....b
NISL	Omaha.....	b	NOXG	Sub. chaser No. 341.....b
NISM	Milwaukee.....	b	NOXS	Sub. chaser No. 353.....b
NISN	Cincinnati.....	b	NOZC	Sub. chaser No. 408.....b
NISP	Detroit.....	b	NOZD	Sub. chaser No. 409.....b
NISQ	Richmond.....	b	NOZJ	Sub. chaser No. 412.....b
NISR	Trenton.....	b	NOZK	Sub. chaser No. 413.....b
NISS	Memphis.....	b	NOZR	Sub. chaser No. 419.....b
NIST	Tulsa.....	b	NOZZ	Sub. chaser No. 424.....b
NITB	Taylor.....	b	NUBB	S. P. 43 (Daraga).....b
NITK	Larsen.....	b	NUBC	S. P. 909 (Eaglet).....b
NITL	Nansemond.....	b	NUBK	S. P. 54 (Patrol No. 6).....b
NITQ	Diamond Shoals L. V. No. 72	c	NUBM	Vesuvius.....
NITR	Relief L. V. No. 78	c	NUBR	S. P. 3297 (Winthrop).....b
NITS	Relief L. V. No. 90	c	NUBS	S. P. 726 (Orca).....b
NLXG	Smith (C. G.).....	b	NUBT	S. P. 522 (Chas. Mann).....b
NIZD	Oveson (C. G.).....	b	NUCF	Lilac (L. H. T.).....b
<b>NOBQ</b>	Sub. chaser No. 23	b	NUCG	S. P. 573 (Easthampton).....b
NODF	Sub. chaser No. 57	b	NUCJ	S. P. 1234 (Cigarette).....b
NODM	Sub. chaser No. 62	b	NUCK	S. P. 765 (Adelante).....b
NODN	Sub. chaser No. 63	b	NUCR	S. P. 680 (Ardent).....b
NODP	Sub. chaser No. 64	b	NUCS	S. P. 642 (Felicia).....b
NODR	Sub. chaser No. 69	b	NUCT	S. P. 265 (Pocomoke).....b
NOTD	Sub. chaser No. 71	b	NUCX	S. P. 214 (Edithia).....b

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.	Call.	Station.
NUCZ	S. P. 249 (Hauoli).....	b	NUNC
NUDF	S. P. 179 (Privateer).....	b	NUND
NUDG	Ranger.....	b	NUNF
NUDK	S. P. 2373 (Herreshoff Hull No. 322).....	b	NUNG
NUDR	S. P. 707 (Endion).....	b	NUNJ
NUFB	Mohawk.....	b	NUNK
NUFG	S. P. 399 (Legonia).....	b	NUNL
NUFL	S. P. 838 (Lawrence).....	b	NUNM
NUFM	Sunflower.....	b	NUNN
NUFN	S. P. 1149 (Barnett).....	b	NUNQ
NUFZ	S. P. 185 (Clarinda).....	b	NUNR
NUGB	S. P. 3218 (Resolute).....	b	NUNS
NUGD	Mackinac.....	b	NUNT
NUGF	Relief No. 2 (L. V.).....	b	NUNV
NUGG	Natoma.....	b	NUNX
NUGJ	Alameda.....	b	NUNZ
NUGK	Kaweah.....	b	NUPC
NUGL	Laramie.....	b	NUPD
NUGM	Mattole.....	b	NUPF
NUGN	Patoka.....	b	NUPG
NUGP	Ramapo.....	b	NUPJ
NUGQ	Rapidan.....	b	NUPK
NUGR	Salinas.....	b	NUPL
NUGS	Sapelo.....	b	NUPM
NUGT	Sepulga.....	b	NUPN
NUGV	Tippecanoe.....	b	NUPQ
NUGX	Trinity.....	b	NUPR
NUJD	Upshur, Abel P.....	b	NUPS
NUJF	Hunt.....	b	NUPT
NUJG	Badger, George E.....	b	NUPV
NUJJ	Thompson, Smith.....	b	NUPX
NUJK	Barker.....	b	NUPZ
NUJL	Tracy.....	b	NUQB
NUJM	Paulding, James K.....	b	NUQC
NUJN	Overton.....	b	NUQD
NUJP	Sturtevant.....	b	NUQF
NUJQ	Henshaw.....	b	NUQQ
NUJR	Meyer.....	b	NUQR
NUJS	Doyen.....	b	NUQS
NUJT	La Vallette.....	b	NUQL
NUJV	Shirk.....	b	NUQM
NUJX	Kidder.....	b	NUQN
NUJZ	Selfridge.....	b	NUQP
NUKB	Smith, Robert.....	b	NUQQ
NUKC	Wasmuth.....	b	NUQR
NUKD	Hulbert.....	b	NUQS
NUKF	Noa.....	b	NUQT
NUKX	Humphreys.....	b	NUQV
NULD	Harbor tug No. 63.....	b	NUQX
NULG	Harbor tug No. 67.....	b	NUQZ
NULJ	Welborn C. Wood.....	b	NURB
NULK	Alden.....	b	NURC
NULL	Borie.....	b	<b>WIM</b>
NULM	Kane.....	b	WIR
NULN	Childs.....	b	<b>WJD</b>
NULP	King.....	b	WJI
NULQ	Sands.....	b	<b>WUA</b>
NURL	Sinclair.....	b	WUAB
NULS	McCawley.....	b	WUAC
NULT	Moody.....	b	WUAD
NULV	Sharkey.....	b	WUAE
NULX	Toucey.....	b	WUBA
NULZ	Breck.....	b	WUBD
NUMB	Zellin.....	b	WUB
NUMC	Yarborough.....	b	WUC
NUMD	Sloat.....	b	WUCB
NUMF	Wood.....	b	WUCA
NUMG	Marcus.....	b	WUD
NUMJ	Mervine.....	b	WUE
NUMK	Chase.....	b	WUF
NUML	Mullaney.....	b	WUG
NUMM	Litchfield.....	b	WUH
NUMN	Zane.....	b	WUI
NUMP	Trever.....	b	WUJ
NUMQ	William B. Preston.....	b	WUK
NUMR	Harbor tug No. 68.....	b	WUL
NUMS	S. P. 681 (Breakwater).....	b	WUN
NUMT	Harbor tug No. 64.....	b	WUO
NUMV	Mansfeld.....	b	WUP
NUMX	Harbor tug No. 61.....	b	WUQ
NUMZ	Kankakee.....	b	WUR
NUMB	Yocona.....	b	WUS

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.	Call.	Station.	
WUT	Fort Caswell, N. C.	c	WYC	Major Samuel Ringgold.
WUU	Fort Adams, R. I.	c	WYD	General Henry J. Hunt.
WUV	Livengood, Alaska.	c	WYE	General Henry Knox.
WUW	Fort Terry, N. Y.	c	WYF	General E. O. C. Ord.
WUX	Fort Crockett, Tex.	c	WYG	Colonel George Armistead.
WUY	Fort San Jacinto, Tex.	c	WYH	General Robert Anderson.
WUZ	Fort Brown, Tex.	c	WYI	Captain Charles W. Rowell.
<b>WVA</b>	Circle City, Alaska.	c	WYJ	General A. M. Randal.
WVB	Fairbanks, Alaska.	c	WYK	General Harvey Brown.
WVC	Fort Egbert, Alaska.	c	WYL	General R. B. Ayres.
WVD	Fort Gibbon, Alaska.	c	WYM	Captain James Fornance.
WVE	Fort St. Michael, Alaska.	c	WYN	Reno.
WVF	Kotlik, Alaska.	c	WYO	Major Evan Thomas.
WVG	Nome, Alaska.	c	WYP	Captain Gregory Barrett.
WVH	Nulato, Alaska.	c	WYQ	Major Albert G. Forse.
WVI	Petersburg, Alaska.	c	WYR	Lieut Geo. M. Harris.
WVJ	Wrangell, Alaska.	c	WYS	General G. W. Getty.
WVK	Holy Cross, Alaska.	c	WYT	Captain A. M. Wetherill.
WVL	Fort Frank, P. I.	c	WYU	General Robert W. Swartout.
WVN	Fort Mills, P. I.	c	WVV	Generals S. B. Holabird.
WVP	Fort Drum, P. I.	c	WYW	General R. H. Jackson.
WVR	Fort Wint, P. I.	c	WYX	Tientsin, China.
WVU	Manilia, P. I.	c	WYY	General Richard Arnold.
WVZ	Fort Mills, P. I.	c	WYZ	Captain T. M. Morrison.
<b>WWO</b>	Cleveland, Ohio.	c	<b>WZA</b>	Fort Screven, Ga.
WWQ	Bellefonte, Pa.	c	WZAA	Boston, Mass.
WWU	Newark, N. J.	c	WZAB	Fort Wood, N. Y.
WWV	Washington, D. C.	c	WZAC	Fort Howard, Md.
WWX	Washington, D. C.	c	WZAD	Fort McPherson, Ga.
WWY	Slocum.	b	WZAE	Fort Benjamin Harrison, Ind.
<b>WXA</b>	Buford.	b	WZAF	Fort Sheridan, Ill.
WXB	Crook.	b	WZAG	Fort Omaha, Nebr.
WXC	Dix.	b	WZAH	Fort Mason, Calif.
WXE	Liscum.	b	WZB	Fort Howard, Md.
WXF	Logan.	b	WZC	Fort Whitman, Wash.
WXG	Fort Washington, Md.	c	WZD	Barrancas, Fla.
WXI	Merritt.	b	WZE	Fort Constitution, N. H.
WXJ	Sheridan.	b	WZF	Fort Moultrie, S. C.
W XK	Sherman.	b	WZH	Port Eads, La.
WXL	Iditarod, Alaska.	c	WZI	Shanghai, China.
WXM	Thomas.	b	WZJ	Fort Casey, Wash.
WXN	Warren.	b	WZK	Fort Dade, Fla.
WXO	Craig, Alaska.	c	WZN	Fort Du Pont, Del.
WXP	Fort Travis, Tex.	c	WZO	Fort Bliss, Tex.
WXQ	Fort St. Philip, La.	c	WZP	Fort Huachuca, Ariz.
WXR	Burnside.	b	WZQ	General Timothy Pickering.
WXT	Joseph Henry.	b	WZR	General Nathaniel Greene.
WXU	Navesink.	b	WZS	Henry Wilson.
WXV	McGrath, Alaska.	c	WZT	General George H. Weeks.
WXW	General John M. Schofield.	b	WZU	Sprigg Carroll.
WXX	Fort Yukon, Alaska.	c	WZV	General J. M. Brannan.
WXY	Washington, D. C.	c	WZW	General R. N. Batchelder.
WXZ	Fort Story, Va.	c	WZX	General Mifflin.
<b>WYA</b>	General Royal T. Frank.	b	WZY	Major Guy Howard.
WYB	General S. M. Mills.	b	WZZ	San Pedro.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of June 15, 1919, only.]

Station.	Call signal.	Wave lengths.	Station controlled by—
Agricultural College, Miss.	5YD	200, 375	Mississippi Agricultural & Mechanical College.
Agricultural College, N. Dak.	9YG	200, 375	North Dakota Agricultural College.
Alderson, W. Va.	8YF	200, 375	Camp Greenbrier.
Alexandria, La.	5ZD	200, 375	Frank B. Beuhler.
Alliance, Ohio	8YT	200, 375	Mount Union College.
Ames, Iowa	9YI	250, 425	Iowa State College.
Ann Arbor, Mich.	8XA	Variable.	University of Michigan.
Anthony, Kans.	9ZAC	200, 375	Perry E. Thurman.
Asheville, N. C.	4ZD	200, 375	Piedmont Electric Co.
Ashland, Ohio	8ZN	200, 375	J. W. Kauffman.
Atlanta, Ga.	4XC	200, 375	B. W. Benning.
Atlanta, Ga.	4YA	200, 375	Georgia School of Technology.
Atlanta, Ga.	4YJ	200, 375	Knights of Columbus School.
Atlanta, Ga.	4ZB	200, 375	Georgia Railway & Power Co.
Auburn, Ala	5XA	200, 375, 425	Alabama Polytechnic Institute.
Auburn, N. Y.	8YA	200, 375	Colby's Telegraph School.
Austin, Tex.	5ZAG	200, 375	George E. Endress.
Austin, Tex.	5ZU	200, 375	Wesley H. Tilley.
Avalon, Calif.	6XAD	Variable.	Lawrence Mott.
Bala, Pa.	3ZA	300, 325	Charles A. Service, Jr.
Baltimore, Md.	3XD	Variable.	Johns Hopkins University.
Baltimore, Md.	3XG	200, 300, 600	Johns Hopkins University.
Baltimore, Md.	3YH	200, 300, 375,	Young Men's Christian Association.
Baltimore, Md.	3ZU	600	Southern Wireless Institute.
Baton Rouge, La.	5ZAC	200, 300, 375,	Wilmer L. Barrow.
Baton Rouge, La.		600	
Battle Creek, Mich.	8YN	200, 375	Battle Creek High School.
Battle Creek, Mich.	8ZC	200, 375	Bert E. Clough.
Baudette, Minn.	9ZC	200, 375	John A. Gjelhaug.
Bear Creek, Mont.	7ZG	200, 375	Winfred E. Slauson.
Bedford, Iowa	9XAJ	200, 375, 425	Bedford Light, Heat & Power Co.
Belfast, Me.	1XR	300, 400, 600,	International Radio Telegraph Co.
Bellefontaine, Ill.	9XX	1700	
Bellefontaine, Ill.		200, 375	Chas. B. Harrison.
Berkeley, Calif.	6XK	Variable.	Bernard F. McNamee.
Berkeley, Calif.	6XM	Variable.	University of California.
Bethesda, Md.	3ZF	200, 375	John V. Purcell.
Biloxi, Miss.	5ZAH	200, 300, 375,	Hubert S. Ogden.
Blacksburg, Va.	3XN	Variable.	Virginia Polytechnic Institute.
Blackwell, Okla.	5ZZ	200, 375	Schonwald Bros.
Bloomington, Ind.	9YAG	200, 375	Indiana University.
Bloomington, Ill.	9YS	200, 375	Illinois Wesleyan University.
Boise, Idaho	7YA	200, 375	Independent School District of Boise City.
Boston, Mass.	1YC	300, 425, 600	Eastern Radio Institute.
Boston, Mass.	1YS	Variable.	Massachusetts Radio & Training School.
Bozeman, Mont.	7XB	200, 375	Montana State College.
Bozeman, Mont.	7ZD	200, 375	R. Earl Dawes.
Brooklyn, N. Y.	2XT	Variable.	Lowenstein Radio Co.
Buena Vista, Ga.	4XE	200, 375	William B. Short.
Buffalo, N. Y.	8YQ	200, 300, 375,	Independent Wireless Teleg. Co.
Buffalo, N. Y.		600	
Burley, Idaho	8ZM	200, 375	Cyrus H. Fraser.
Burlingame, Calif.	7YF	200, 300, 375,	Burley High School.
Burrwood, La.	5XE	600	Hall Berringer.
Cambridge, Mass.	1XAB	Variable.	Tropical Radio Teleg. Co.
Cambridge, Mass.	1XJ	Variable.	Clapp-Eastham Co.
Cambridge, Mass.		300, 600, 5000,	Harvard University.
Cambridge, Mass.		10000	
Cambridge, Mass.	1XM	Variable.	Massachusetts Institute of Technology.
Camden, N. J.	3YQ	200, 300, 375,	Federal Institute of Radio Telegraphy.
Camden, N. J.		600	
Camp Dix, N. J.	2YA	200, 375	Knights of Columbus.
Canton, Ohio	8ZV	200, 375	Henry L. Ley.
Casper, Wyo.	7ZO	200, 375	Norman R. Hood.
Charlotte, N. C.	4XD	200, 375	F. M. Laxton.
Chicago, Ill.	9XG	Variable.	Austin A. Howard.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Chicago, Ill.....	9YE	200, 300, 375, 600	Tilden Technical High School.
Chicago, Ill.....	9YL	200, 300, 375, 600	Armour Institute of Technology.
Chicago, Ill.....	9ZN	200, 300, 375, 600	Ralph H. G. Mathews.
Cincinnati, Ohio.....	8XB	200, 375	Precision Equipment Co.
Cincinnati, Ohio.....	8XY	200, 375, 500	Cino Radio Mfg. Co.
Cincinnati, Ohio.....	8YS	200, 375	University of Cincinnati.
Cincinnati, Ohio.....	8YX	200, 375	University of Cincinnati.
Cincinnati, Ohio.....	8ZH	200, 375	East High School.
Cincinnati, Ohio.....	8ZJ	200, 375	Hughes High School.
Clarinda, Iowa.....	9ZAA	200, 375	Farmers Mutual Telephone Co.
Cleveland, Ohio.....	8XV	250, 300, 600	Frederick S. McCullough.
Cleveland, Ohio.....	8ZP	200, 300, 375, 600	Edward I. Deighan.
Cliffwood, N. J.....	2XF	350, 450	Western Electric Co.
Clifton, N. J.....	2ZM	200, 325, 425	Lester Spangenburg.
Clinton, Md.....	3XE	200, 300, 425	W. W. Conners.
Cochise, Ariz.....	6ZC	200, 375	Dr. J. B. Ellis.
Collegeville, Minn.....	9XT	200, 375	St. Johns University.
College Station, Tex.....	5XB	300, 500, 600	Agricultural & Mechanical College of Texas. Do.
College Station, Tex.....	5YF	200, 375	University of Missouri.
Columbia, Mo.....	9YM	200, 375	Ohio State University.
Columbus, Ohio.....	8XI	200, 375	Oregon Agricultural College.
Corvallis, Oreg.....	7YJ	200, 375	Culver Military Academy.
Culver, Ind.....	9YQ	200, 375	Frank M. Corlett.
Dallas, Tex.....	5XG	Variable.	Do.
Dallas, Tex.....	5ZC	200, 425	Bennett Emerson, sr.
Dallas, Tex.....	5ZG	200, 375	William H. Kirwan.
Davenport, Iowa.....	9XE	Variable.	Young Men's Christian Association.
Dayton, Ohio.....	8YU	200, 375	Western Electric Co.
Deal Beach, N. J.....	2XJ	300, 600	Henry Ford.
Dearborn, Mich.....	8XD	200-600	K. A. Duerk.
Defiance, Ohio.....	8ZY	200, 375	Ohio Wesleyan University.
Delaware, Ohio.....	8YK	200, 375	Harry H. Buckwalter.
Denver, Colo.....	9XAG	200, 375	Edward C. Stockman.
Denver, Colo.....	9ZD	200, 375	Cass Technical High School.
Detroit, Mich.....	8YE	200, 300, 375, 600	George W. Carter.
Detroit, Mich.....	8YJ	200, 300, 375, 600	Harry L. Gooding.
Douglas, Ariz.....	6ZZ	200, 375	Harry S. Weber.
Dover, Ohio.....	8ZX	200, 375	Guy W. Neel.
Dublin, Tex.....	5XJ	Variable.	Roy C. Ehrhardt.
Dunmore, Pa.....	8ZQ	200, 375	Ed. Nettleton.
Eagle Pass, Tex.....	5ZN	200, 375	Michigan Agricultural College.
East Lansing, Mich.....	8YG	200, 375	Lafayette College.
Easton, Pa.....	3YO	200, 375	Harold P. Sheard.
Elk, Wyo.....	7ZE	200, 375	H. J. Goddard and E. S. Leavenworth.
Ellendale, N. Dak.....	9ZX	200, 375	A. LeRoy Hill.
El Paso, Tex.....	5ZAD	200, 375	College of Emporia.
Emporia, Kans.....	9YAA	200, 375	University of Oregon.
Eugene, Oreg.....	7YB	200, 300, 375, 600	Evanston High School.
Evanston, Ill.....	9YH	200, 250, 375	Ideal Apparatus Co.
Evansville, Ind.....	9XAH	150, 200, 400	Harry M. Ryder.
Forest Hills, Pa.....	8XZ	200, 300, 375,	Otis A. Gulledge.
Fort Pierce, Fla.....	4ZN	600	Franklinton, La.....
Fresno, Calif.....	5ZK	200, 425	Paul E. Greenlaw.
Gainesville, Fla.....	6ZU	200, 375	Lloyd E. Martin.
Galesburg, Ill.....	4ZC	200, 375	University of Florida.
Glenridge, N. J.....	9XW	200, 375	Lombard College.
Golden, Colo.....	2XV	300, 400, 500, 600	Western Electric Co.
Granville, Ohio.....	9XAI	200, 375	Colorado School of Mines.
Green Harbor, Mass.....	8YM	200, 375	Richard H. Howe.
Greensboro, N. C.....	1XD	300, 325, 425, 600	Western Electric Co.
Gunnison, Colo.....	4ZA	250	James R. Wikle.
Hagerstown, Md.....	9YAH	200, 375	Colorado State Normal School.
Hampton, N. H.....	3ZI	200, 375	Roy C. Corderman.
Hanover, N. H.....	1XY	200, 250, 300, 400, 425, 600	DeLancey Felch & Co.
Hartford, Conn.....	1YB	200, 300, 375, 600	Dartmouth College.
Highland Park, Mich.....	1XV	200, 300, 375, 425, 600	C. D. Tuska Co.
Houma, La.....	8ZZ	200, 375	Clyde E. Darr.
	5ZAB	200, 375	Francis L. Pullen.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Houston, Tex.	5YI	200, 375	Rice Institute.
Houston, Tex.	5ZAA	200, 375	Francis M. Austin.
Houston, Tex.	5ZE	200, 375	B. J. Still.
Houston, Tex.	5ZO	200, 300, 375, 425, 600	Clifford W. Vick.
Houston, Tex.	5ZT	200, 260, 375, 600	Ingham S. Roberts III.
Houston, Tex.	5ZV	200, 275, 375	Hallet E. Worthington.
Houston, Tex.	5ZX	200, 375	Alfred P. Daniel.
Independence, Mo.	9ZAD	200, 375	George S. Turner.
Independence, Mo.	9ZH	200, 375	Reorganized Church of Christ of Latter Day Saints.
Indianapolis, Ind.	9ZJ	200, 375	Francis F. Hamilton.
Ithaca, N. Y.	8XU	Variable.	Cornell University.
Jackson, Tenn.	5YB	200, 375	Young Men's Christian Association.
Jersey City, N. J.	2XAD	300, 350, 600	Ship Owners Radio Service.
Julian, Tex.	5ZW	200, 375	Donald H. Graham.
Kansas City, Mo.	9XAB	200, 375	McCreary Radio Supply Co.
Kansas City, Mo.	9ZZ	200, 375	Walter M. Aronson and Albert R. Perkins.
Kearney, Nebr.	9ZAB	200, 375	S. L. Keller.
Knoxville, Tenn.	5XK	Variable.	Philip Stout.
Lacey, Wash.	7YS	200, 375	St. Martin's College.
LaCrosse, Wis.	9ZY	200, 375	Ben A. Ott.
"Lancaster" (tugboat)	2XW	300, 350, 600	Pennsylvania R. R. Co.
Lansing, Mich.	8XS	200, 375	Wilcox Laboratories.
Lansing, Mich.	8ZF	200, 375	Maurice H. Pancost.
Le Mars, Iowa	9YAE	200, 375	Western Union College.
Lewisburg, Pa.	8XJ	Variable.	Bucknell University.
Lexington, Ky.	9YC	200, 375	University of Kentucky.
Lexington, Ky.	9YAI	200, 375	Transylvania University.
Lexington, Va.	3YK	200, 375	Virginia Military Institute.
Lexington, Va.	3ZK	200, 375	Harry M. Quisenberry.
Lihue, Hawaii	6ZAC	200, 375	Clifford J. Dow.
Lincoln, Nebr.	9YY	200, 375	University of Nebraska.
Little Rock, Ark.	5YH	200, 375	U. S. Signal Corps.
Little Rock, Ark.	5ZL	200, 300, 375	John M. Clayton.
Los Altos, Calif.	6XAC	Variable.	Colin B. Kennedy Co.
Los Angeles, Calif.	6XD	250, 300, 550, 600	Western Radio Electric Co.
Los Angeles, Calif.	6XN	Variable.	Arno A. Kluge.
Los Angeles, Calif.	6XQ	200, 300, 375, 600, 1600	Southern California Edison Co.
Los Angeles, Calif.	6YA	200, 300, 375, 600	Young Men's Christian Association.
Los Angeles, Calif.	6ZG	200, 300, 375, 600	Forbes W. Van Why.
Lynn, Mass.	IXL	Variable.	General Electric Co.
Madison, Wis.	9XM	Variable.	University of Wisconsin.
Manhattan, Kans.	9YV	200, 375	Kansas State Agricultural College.
Manitowoc, Wis.	9ZL	200, 375	H. J. Burhop.
Manlius, N. Y.	8YB	200, 375, 1200	St. John's School.
Mansfield, Ohio	8ZR	200, 300, 375, 600	Radio Club of Mansfield.
Marietta, Ohio	8ZE	200, 375	Norman A. Thomas & Edward Manley.
Marietta, Ohio	8ZT	200, 375	George M. Withington, Jr.
Marion, Mass.	1ZE	200, 250, 375	Irving Vermilya.
Medford, Mass.	1XE	Variable.	American Radio & Research Corp.
Media, Pa.	3ZM	200, 300, 400, 600	Simon Delbert, Jr.
Memphis, Tenn.	5XL	200, 325	William B. Stieg.
Mesilla Park, N. Mex.	5ZJ	200, 375	R. W. Goddard.
Middletown, Conn.	1XN	Variable.	Walter G. Cady.
Milwaukee, Wis.	9YAD	200, 300, 375, 600	School of Engineering of Milwaukee.
Minneapolis, Minn.	9XI	Variable.	University of Minnesota.
Minneapolis, Minn.	9ZT	200, 375	Minnesota Wireless Association.
Montclair, N. J.	2XS	200, 275, 325, 425	Adams Morgan Co.
Morgantown, W. Va.	8YH	200, 375	West Virginia University.
Moscow, Idaho	7ZM	200, 375	Jack Woodworth.
Mulga, Ala.	5ZY	200, 375	Thomas D. Sewell.
Muncie, Ind.	9YR	200, 375	Muncie Technical High School.
Napa, Calif.	6ZAD	200, 375	J. J. Mahler, Jr.
New Braunfels, Tex.	5YK	200, 375	Edgar A. Sahm.
New Haven, Conn.	1XH	Variable.	Yale University.
New Haven, Conn.	1ZC	300, 600, 2100	A. C. Gilbert Co.
New Orleans, La.	5XH	Variable.	Tropical Radio Telegraph Co.
New Orleans, La.	5YC	200, 375	Nola Radio School.
New Orleans, La.	5YJ	200, 240, 300, 375, 600	Knights of Columbus.
New Orleans, La.	5ZP	200, 250	Herbert E. DeBen.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
New Philadelphia, Ohio.....	8ZA	200, 375	Charles J. Murray.
New Rochelle, N. Y.....	2ZK	200, 350, 425	George C. Cannon.
New York, N. Y.....	2XAF	Variable.	International Radio Telegraph Co.
New York, N. Y.....	2XAG	Variable.	Ware Radio Co.
New York, N. Y.....	2XB	Variable.	Western Electric Co.
New York, N. Y.....	2XC	Variable.	Ware Radio Co.
New York, N. Y.....	2XD	Variable.	Ware Radio Co.
New York, N. Y.....	2XG	Variable.	De Forest Radio Telephone & Telegraph Co.
New York, N. Y.....	2XK	Variable.	Superadio Corp.
New York, N. Y.....	2ZN	Variable.	College of the City of New York.
New York, N. Y.....	2XNA	300, 350, 600	City College Radio Club.
New York, N. Y.....	2XNB	200, 325, 600	Townsend Harris Hall Radio Club.
New York, N. Y.....	2XO	200, 300, 600, 800	Walter G. Hudson.
New York, N. Y.....	2XU	Variable.	Samuel E. Adair.
New York, N. Y.....	2YZ	Variable.	Fordham University.
New York, N. Y.....	2YB	200, 300, 375, 600	B. B. Brownlee.
New York, N. Y.....	2YM	Variable.	East Side Young Men's Christian Association.
New York, N. Y.....	2YT	250, 300, 600	Marconi Institute.
Noroton Heights, Conn.....	1XAA	Variable.	Percival E. Fansier.
Norristown, Pa.....	3ZV	200, 375	Samuel W. Place.
Northfield, Minn.....	9YAJ	200, 375	St. Olaf College.
Northville, Mich.....	8XL	200, 300, 375, 600	Henry Ford.
Nutley, N. J.....	2ZH	200, 300, 325, 600	Arthur A. Hebert.
Oakland, Calif.....	6XAF	Variable.	Pacific Telephone & Telegraph Co.
Oakland, Calif.....	6XX	Variable.	St. Mary's College.
Oakland, Calif.....	6ZAE	200, 375	Chris F. Eiferle.
Olympia, Wash.....	7ZP	200, 375	Edwin W. Wilson.
Omaha, Nebr.....	9XAA	200, 375	Cramer & Swain.
Omaha, Nebr.....	9YP	200, 375	High School of Commerce.
Ossining, N. Y.....	2XX	Variable.	De Forest Radio Telephone & Telegraph Co.
Ottumwa, Iowa.....	9XAD	200, 375	William W. Harper.
Oxford, Ohio.....	8YR	200, 375	Miami University.
Palo Alto, Calif.....	6XV	Variable.	Federal Telegraph Co.
Parkersburg, Pa.....	3ZO	400	Horace A. Beale, jr.
Pembina, N. Dak.....	9YAF	200, 375	Pembina High School.
Peoria, Ill.....	9XAF	200, 375	Bradley Institute.
Philadelphia, Pa.....	3XC	300, 425, 600	Frank B. Chambers.
Philadelphia, Pa.....	3XI	300, 425, 600	Lester R. Damon.
Philadelphia, Pa.....	3XJ	200, 300, 425, 600	St. Joseph's College.
Philadelphia, Pa.....	3XS	200, 300, 600, 2500	George W. Carns.
Philadelphia, Pa.....	3XV	Variable.	Thomas Appleby.
Philadelphia, Pa.....	3YC	200, 300, 375, 600	North East High School.
Philadelphia, Pa.....	3YF	200, 300, 375, 600	Pennsylvania-Marconi Wireless School.
Philadelphia, Pa.....	3YG	200, 300, 375, 600, 2000, 2700	Philadelphia School of Wireless Telegraphy.
Philadelphia, Pa.....	3YI	200, 250	Knights of Columbus School.
Philadelphia, Pa.....	3ZG	200, 300, 375, 600	Allyn E. Seuffert.
Philadelphia, Pa.....	3ZJ	200, 300, 425, 600	Maj. J. H. Clinton.
Philadelphia, Pa.....	3ZQ	200, 300, 375, 600	Stanley C. Bryce.
Pilot Point, Tex.....	5ZB	200, 375	Clyde S. Mosteller.
Pittsburgh, Pa.....	8XH	200, 375, 425	Parker E. Wiggin.
Pittsburgh, Pa.....	8XK	Variable.	Frank Conrad.
Pittsburgh, Pa.....	8XM	200, 350	Phillips Thomas.
Pittsburgh, Pa.....	8XN	Variable.	Carnegie Institute of Technology Radio Club.
Pittsburgh, Pa.....	8YI	200, 375	University of Pittsburgh.
Pittsburgh, Pa.....	8YZ	200, 375	Peabody High School.
Pittsburgh, Pa.....	8ZD	200, 375	Burton P. Williams.
Pittsburgh, Pa.....	8ZO	200, 250	Frank Moore, jr.
Polytechnic, Mont.....	7XD	250, 350	Billings Polytechnic Institute.
Port Chester, N. Y.....	2ZE	100, 150, 200, 300, 375, 600	Paul F. Godley.
Portland, Oreg.....	7XA	Variable.	Radio Corporation of America.
Portland, Oreg.....	7XF	Variable.	Northwestern Radio Mfg. Co.
Portland, Oreg.....	7YG	200, 300, 375, 600	Young Men's Christian Association.
Portland, Oreg.....	7YH	200, 375	Washington High School.
Portland, Oreg.....	6YK	200, 300, 375, 600	Benson Polytechnic School.
Portland, Oreg.....	7ZB	200, 375	William A. Leidigh, jr.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Portland, Oreg.	7ZI	200, 300, 375, 600	Charles L. Austin.
Port Richmond, N. Y.	2XAA	Variable. 200, 375	Radio Corporation of America.
Princeton, N. J.	3XM	Variable.	David Richardson.
Princeton, N. J.	3XU	Variable.	Walter V. Roberts.
Providence, R. I.	1XF	Variable.	Electrical Products Mfg. Co.
Providence, R. I.	1XX	Variable.	Brown University.
Rapid City, S. Dak.	9YW	200, 375	South Dakota State School of Mines.
Redlands, Calif.	6ZJ	200, 375	Arthur L. Munzig.
Reno, Nev.	6ZO	200, 375	Hadley S. Beedle.
Richfield, Utah	6ZH	200, 375	Wesley C. Thompson.
Richmond, Ind.	9ZAE	200, 375	Palladium Printing Co.
Richmond, Va.	3ZL	200, 300	Clay D. Blair.
Richmond, Va.	3ZP	200, 375	Ralph R. Chappell.
Richmond Hill, N. Y.	2XE	300, 600, 2500, 2800	A. H. Grebe & Co.
Richmond Hill, N. Y.	2ZV	230, 275, 300, 600	Do.
Ridgway, Pa.	8XO	200, 325, 375	Pittsburgh Wireless Equipment Co.
Rochester, N. Y.	8ZK	200, 375	Alexander M. Lindsay, Jr.
Rock Island, Ill.	9XAC	Variable.	Karlena Radio Corp.
Rockland, Me.	1XQ	300, 400, 600, 1700	International Radio Telegraph Co.
Roselle Park, N. J.	2XR	Variable.	Radio Corporation of America.
Roswell, N. Mex.	5ZA	200, 275	Louis Falconi.
Salem, Ohio	8ZG	200, 375	A. J. Manning.
Salt Lake City, Utah	6ZA	200, 300, 375	Ira J. Kaar.
Salt Lake City, Utah	6ZM	200, 375	The Desert News.
Salt Lake City, Utah	6ZT	200, 375	Art Johnson.
San Antonio, Tex.	5XP	Variable.	E. M. Baker.
San Antonio, Tex.	5ZAE	200, 375	Leavell D. Wall.
San Antonio, Tex.	5ZAI	200, 375	R. C. Walker.
San Antonio, Tex.	5ZR	200, 375	John C. Rodriguez.
San Diego, Calif.	6XZ	200, 300, 375, 600	R. O. Shelton, M. D.
San Diego, Calif.	6ZB	200, 300, 375, 600	Dr. Alfred E. Banks.
Sanford, Fla.	5ZH	200, 375	Clarence M. Wickes.
San Fernando, Calif.	6ZN	200, 300, 375, 600	B. H. Dennis & C. A. Taylor.
San Francisco, Calif.	6XAA	Variable.	Pacific Telephone & Telegraph Co.
San Francisco, Calif.	6XAB	Variable.	Colin B. Kennedy Co.
San Francisco, Calif.	6XAE	Variable.	The Radio Telephone Shop.
San Francisco, Calif.	6XC	Variable.	Leede Forest (Inc.).
San Francisco, Calif.	6XG	Variable.	Leo J. Meyberg Co.
San Francisco, Calif.	6XJ	Variable.	Otis B. Moorhead.
San Francisco, Calif.	6XP	Variable.	Moorhead Laboratories (Inc.).
San Francisco, Calif.	6XT	Variable.	Baruch Research Laboratories.
San Francisco, Calif.	6ZAB	200, 375	S. Peterson and Hal Shaw.
San Francisco, Calif.	6ZE	75, 200, 300, 375, 600	D. B. McGown.
San Gabriel, Calif.	6NS	200, 300, 375, 600, 1600	R. B. Ashbrook.
San Jose, Calif. (portable)	6XE	Variable.	Charles D. Herrold.
San Jose, Calif.	6XF	Variable.	Do.
San Jose, Calif.	6ZAA	200, 375	E. Garratt Arnold.
Savannah, Ga.	4XB	200, 300, 375, 600, 1650	Board of Public Education.
Savannah, Ga.	4YB	200, 300, 375, 600	Knights of Columbus.
Schenectady, N. Y.	2XA	Variable.	E. M. Kinney.
Schenectady, N. Y.	2X1	Variable.	General Electric Co.
Schenectady, N. Y.	2XQ	Variable.	Union College.
Schenectady, N. Y.	2XY	Variable.	Wallace L. Brooks.
Seattle, Wash.	7XC	Variable.	Vincent I. Kraft.
Seattle, Wash.	7XJ	Variable.	Charles W. Peterson.
Seattle, Wash.	7XK	Variable.	Kilbourne & Clark Mfg. Co.
Seattle, Wash.	7XZ	Variable.	University of Washington.
Seattle, Wash.	7YC	200, 300, 375, 600	Young Men's Christian Association.
Seattle, Wash.	7YD	200, 300, 375, 600	Knights of Columbus.
Seattle, Wash.	7YE	200, 300, 375, 600	Broadway High School.
Shreveport, La.	5ZS	210, 300, 425	William E. Antony.
Sioux City, Iowa	9ZU	200, 375	Sioux City Radio Laboratory.
Sisco No. 4 (tugboat)	2XAB	Variable.	Radio Corporation of America.
South Manchester, Conn.	1XT	200, 300, 375, 600	John L. Reinartz.
South Orange, N. J.	2ZC	200, 300, 375, 600	Henry L. Leeb.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
South San Antonio, Tex.	5XI	Variable.	George H. Burgess.
Spokane, Wash.	7YL	200, 375	North Central High School.
Springfield, Ill.	9ZS	1700	Illinois Watch Co.
Springfield, Ohio	8ZAA	200, 375	J. Warren Wright.
State College, N. Mex.	5XD	200, 400, 500	New Mexico College, Agriculture and Mechanic Arts.
State College, Pa.	8XE	Variable.	Pennsylvania State College.
Staunton, Va.	3YE	425	Staunton Military Academy.
St. David's, Pa.	3ZS	200, 275, 300, 325, 375, 600	Charles H. Stewart.
St. Louis, Mo.	9XS	275, 425	Manhattan Electrical Supply Co.
St. Louis, Mo.	9YAB	200, 375	Washington University.
St. Louis, Mo.	9YK	200, 375	St. Louis University.
St. Louis, Mo.	9ZB	200, 375	Lester A. Benson.
St. Louis, Mo.	9ZV	200, 375	James A. Crowdus.
St. Marys, Ohio	8ZL	200, 250, 375	Charles Candler.
Sunnyvale, Calif.	6XAG	Variable.	The Radio Shop.
Sunnyvale, Calif.	6ZK	200, 300, 375, 600	Arthur E. Bessey.
Superior, Wis.	9YAC	200, 300, 375, 600	State Normal School.
Tacoma, Wash.	7ZL	200, 300, 375, 600	Anton R. Tingstad.
Thibodaux, La.	5YL	200, 375	Thibodaux High School.
Toledo, Ohio	8ZB	200, 300, 375, 600	Earl S. Ensign and William P. Van Behren.
Toledo, Ohio	8ZT	200, 375	Adelbert J. Gogel.
University, Va.	3YY	200, 375	University of Virginia.
University Place, Nebr.	9YD	200, 375	Nebraska Wesleyan University.
University, Miss.	5YE	200, 375	University of Mississippi.
Urbana, Ill.	9XJ	200, 375	University of Illinois.
Urbana, Ill.	9XZ	200, 375	Paul G. Busey.
Valley Stream, N. Y.	2ZL	200, 250, 275, 325	J. Owen Smith.
Valparaiso, Ind.	9XD	Variable.	Dodge's Institute of Telegraphy.
Vancouver, Wash.	7ZK	200, 300, 375, 600	Vernon J. Bird.
Villanova, Pa.	3YP	200, 375	Villanova College.
Waco, Tex.	5ZAF	200, 375	William P. Clarke.
Waco, Tex.	5ZF	200, 375	Henry M. Harris.
Walnut Grove, Calif.	6ZX	200, 375	J. V. Wise.
Washington, D. C.	3XF	Variable.	Francis M. Baer.
Washington, D. C.	3XH	Variable.	Lester S. Barr.
Washington, D. C.	3XL	180, 200, 350, 1200	Alfred Crossley.
Washington, D. C.	3XQ	Variable.	Robert H. Worrall.
Washington, D. C.	3YA	200, 375	Loomis Radio School.
Washington, D. C.	3YL	200	Knights of Columbus Service School.
Washington, D. C.	3ZB	200, 375	A. B. Brown (Bliss Electrical School).
Washington, D. C.	3ZE	150, 200, 375	Harold A. Snow.
Washington, D. C.	3ZW	200, 350, 425	Walther A. Parks.
Wayne, Nebr.	9YT	200, 375	State Normal School.
West Lafayette, Ind.	9YB	200, 375	Purdue University.
Wheeling, W. Va.	8ZW	200, 375	John C. Stroebel, Jr.
Whitford, Pa.	3ZT	200, 375	George Thomas.
Wichita, Kans.	9XAE	200, 375	Cosradio Co.
Wilkes-Barre, Pa.	8ZS	200, 375	John H. Stenger, jr.
Winfield, N. Y.	2XP	Variable.	Louis G. Pacent.
Woodmere, N. Y.	2XH	200, 250, 300, 600	Cutting & Washington Radio Corp.
Woodside, N. Y.	2XAC	Variable.	Ship Owners Radio Service.
Woodside, N. Y.	2ZD	190, 200, 260, 300, 350, 600	Do.
Worcester, Mass.	1XZ	Variable.	Clark University.
Worcester, Mass.	1YK	200, 375	Worcester Polytechnic Institute.
Yuma, Ariz.	6ZL	200, 375	Alexander N. Marquis.

## **SPECIAL LAND STATIONS GROUPED BY DISTRICTS.**

Call signal.	District and station.	Call signal.	District and station.
1XAA	First district: Noroton Heights, Conn.	3XE	Third district—Continued. Clinton, Md.
1XAB	Cambridge, Mass.	3XF	Washington, D. C.
1XD	Green Harbor, Mass.	3XG	Baltimore, Md.
1XE	Medford, Mass.	3XH	Washington, D. C.
1XF	Providence, R. I.	3XI	Philadelphia, Pa.
1XH	New Haven, Conn.	3XJ	Philadelphia, Pa.
1XJ	Cambridge, Mass.	3XL	Washington, D. C.
1XL	Lynn, Mass.	3XM	Princeton, N. J.
1XM	Cambridge, Mass.	3XN	Blacksburg, Va.
1XN	Middletown, Conn.	3XQ	Washington, D. C.
1XQ	Rockland, Me.	3XS	Philadelphia, Pa.
1XR	Belfast, Me.	3XU	Princeton, N. J.
1XT	South Manchester, Conn.	3XV	Philadelphia, Pa.
1XV	Hartford, Conn.	3YA	Washington, D. C.
1XX	Providence, R. I.	3YC	Philadelphia, Pa.
1XY	Hampton, N. H.	3YE	Staunton, Va.
1XZ	Worcester, Mass.	3YF	Philadelphia, Pa.
1YB	Hanover, N. H.	3YG	Philadelphia, Pa.
1YC	Boston, Mass.	3YH	Baltimore, Md.
1YK	Worcester, Mass.	3YI	Philadelphia, Pa.
1YS	Boston, Mass.	3YK	Lexington, Va.
1ZC	New Haven, Conn.	3YL	Washington, D. C.
1ZE	Marion, Mass.	3YO	Easton, Pa.
2XA	Second district: Schenectady, N. Y.	3YP	Villanova, Pa.
2XXA	Port Richmond, N. Y.	3YQ	Camden, N. J.
2XB	Sisco No. 4 (tugboat).	3YV	University, Va.
2XAC	Woodside, N. Y.	3ZA	Bala, Pa.
2XD	Jersey City, N. J.	3ZB	Washington, D. C.
2XA	New York, N. Y.	3ZE	Washington, D. C.
2XAG	New York, N. Y.	3ZF	Bethesda, Md.
2XB	New York, N. Y.	3ZG	Philadelphia, Pa.
2XC	New York, N. Y.	3ZI	Hagerstown, Md.
2XD	New York, N. Y.	3ZJ	Philadelphia, Pa.
2XE	Richmond Hill, N. Y.	3ZL	Richmond, Va.
2XF	Cliffwood, N. J.	3ZM	Media, Pa.
2XG	New York, N. Y.	3ZO	Parkersburg, Pa.
2XH	Woodmere, N. Y.	3ZP	Richmond, Va.
2XI	Schenectady, N. Y.	3ZQ	Philadelphia, Pa.
2XJ	Deal Beach, N. J.	3ZS	St. Davids, Pa.
2XK	New York, N. Y.	3ZT	Whitford, Pa.
2XN	New York, N. Y.	3ZU	Baltimore, Md.
2XNA	New York, N. Y.	3ZV	Norristown, Pa.
2XNB	New York, N. Y.	3ZW	Washington, D. C.
2XO	New York, N. Y.	3ZX	Lexington, Va.
2XP	Winfield, N. Y.	4XB	Fourth district: Savannah, Ga.
2XQ	Schenectady, N. Y.	4XC	Atlanta, Ga.
2XU	New York, N. Y.	4XD	Charlotte, N. C.
2XR	Roselle Park, N. J.	4XE	Buena Vista, Ga.
2XS	Montclair, N. J.	4YA	Atlanta, Ga.
2XT	Brooklyn, N. Y.	4YB	Savannah, Ga.
2XV	Glenridge, N. J.	4YJ	Atlanta, Ga.
2XW	Lancaster (tugboat).	4ZA	Greensboro, N. C.
2XX	Ossining, N. Y.	4ZB	Atlanta, Ga.
2XY	Schenectady, N. Y.	4ZC	Gainesville, Fla.
2XZ	New York, N. Y.	4ZD	Asheville, N. C.
2YA	Camp Dix, N. J.	4ZN	Fort Pierce, Fla.
2YB	New York, N. Y.	5XA	Fifth district: Auburn, Ala.
2YM	New York, N. Y.	5XB	College Station, Tex.
2YT	New York, N. Y.	5XD	State College, N. Mex.
2ZC	South Orange, N. J.	5XE	Burrwood, La.
2ZD	Woodside, N. Y.	5XG	Dallas, Tex.
2ZE	Port Chester, N. Y.	5XH	New Orleans, La.
2ZH	Nutley, N. J.	5XI	South San Antonio, Tex.
2ZK	New Rochelle, N. Y.	5XJ	Dublin, Tex.
2ZL	Valley Stream, N. Y.	5XK	Knoxville, Tenn.
2ZM	Clifton N. J.	5XL	Memphis, Tenn.
2ZV	Richmond Hill, N. Y.	5XP	San Antonio, Tex.
3XC	Philadelphia, Pa.	5YB	Jackson, Tenn.
3XD	Baltimore, Md.	5YC	New Orleans, La.
3XE	Third district:		

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	<b>Fifth district—Continued.</b>		<b>Sixth district—Continued.</b>
5YD	Agricultural College, Miss.	6ZN	San Fernando, Calif.
5YE	University, Miss.	6ZO	Reno, Nev.
5YF	College Station, Tex.	6ZR	Burlingame, Calif.
5YH	Little Rock, Ark.	6ZT	Salt Lake City, Utah.
5XI	Houston, Tex.	6ZU	Fresno, Calif.
5YJ	New Orleans, La.	6ZX	Walnut Grove, Calif.
5YK	New Braunfels, Tex.	6ZZ	Douglas, Ariz.
5YL	Thibodaux, La.		<b>Seventh district:</b>
5ZA	Roswell, N. Mex.	7XA	Portland, Oreg.
5ZAA	Houston, Tex.	7XB	Bozeman, Mont.
5ZAB	Houma, La.	7XC	Seattle, Wash.
5ZAC	Baton Rouge, La.	7XD	Polytechnic, Mont.
5ZAD	El Paso, Tex.	7XF	Portland, Oreg.
5ZAE	San Antonio, Tex.	7XJ	Seattle, Wash.
5ZAF	Waco, Tex.	7XK	Seattle, Wash.
5ZAG	Austin, Tex.	7ZX	Seattle, Wash.
5ZAH	Biloxi, Miss.	7YA	Boise, Idaho.
5ZAI	San Antonio, Tex.	7YB	Eugene, Oreg.
5ZB	Pilot Point, Tex.	7YC	Seattle, Wash.
5ZC	Dallas, Tex.	7YD	Seattle, Wash.
5ZD	Alexandria, La.	7YE	Seattle, Wash.
5ZE	Houston, Tex.	7YF	Burley, Idaho.
5ZF	Waco, Tex.	7YG	Portland, Oreg.
5ZG	Dallas, Tex.	7YH	Portland, Oreg.
5ZH	Sanford, Fla.	7YJ	Corvallis, Oreg.
5ZJ	Mesilla Park, N. Mex.	7YK	Portland, Oreg.
5ZK	Franklinton, La.	7YL	Spokane, Wash.
5ZL	Little Rock, Ark.	7YS	Lacey, Wash.
5ZN	Eagle Pass, Tex.	7ZB	Portland, Oreg.
5ZO	Houston, Tex.	7ZD	Bozeman, Mont.
5ZP	New Orleans, La.	7ZE	Elk, Wyo.
5ZR	San Antonio, Tex.	7ZG	Bear Creek, Mont.
5ZS	Shreveport, La.	7ZI	Portland, Oreg.
5ZT	Houston, Tex.	7ZK	Vancouver, Wash.
5ZU	Austin, Tex.	7ZL	Tacoma, Wash.
5ZV	Houston, Tex.	7ZM	Moscow, Idaho.
5ZW	Juliff, Tex.	7ZO	Gasper, Wyo.
5ZX	Houston, Tex.	7ZP	Olympia, Wash.
5ZY	Mulga, Ala.		<b>Eighth district:</b>
5ZZ	Blackwell, Okla.	8XA	Ann Arbor, Mich.
	<b>Sixth district:</b>	8XB	Cincinnati, Ohio.
6XAA	San Francisco, Calif.	8XD	Dearborn, Mich.
6XAB	San Francisco, Calif.	8XE	State College, Pa.
6XAC	Los Altos, Calif.	8YF	Alderson, W. Va.
6XAD	Avalon, Calif.	8XH	Pittsburgh, Pa.
6XAE	San Francisco, Calif.	8XI	Columbus, Ohio.
6XAF	Oakland, Calif.	8XJ	Lewisburg, Pa.
6XAG	Sunnyvale, Calif.	8XK	Pittsburgh, Pa.
6XC	San Francisco, Calif.	8XL	Northville, Mich.
6XD	Los Angeles, Calif.	8XM	Pittsburgh, Pa.
6XE	San Jose, Calif. (portable).	8XN	Pittsburgh, Pa.
6XF	San Jose, Calif.	8XO	Ridgway, Pa.
6XG	San Francisco, Calif.	8XS	Lansing, Mich.
6XJ	San Francisco, Calif.	8XU	Ithaca, N. Y.
6KK	Berkeley, Calif.	8XV	Cleveland, Ohio.
6XM	Berkeley, Calif.	8XY	Cincinnati, Ohio.
6XN	Los Angeles, Calif.	8XZ	Forest Hills, Pa.
6XP	San Francisco, Calif.	8YA	Auburn, N. Y.
6XQ	Los Angeles, Calif.	8YB	Manlius, N. Y.
6XS	San Gabriel, Calif.	8YE	Detroit, Mich.
6XT	San Francisco, Calif.	8YG	East Lansing, Mich.
6XV	Palo Alto, Calif.	8YH	Morgantown, W. Va.
6XX	Oakland, Calif.	8YI	Pittsburgh, Pa.
6XZ	San Diego, Calif.	8YJ	Detroit, Mich.
6YA	Los Angeles, Calif.	8YK	Delaware, Ohio.
6ZA	Salt Lake City, Utah.	8YM	Granville, Ohio.
6ZB	San Diego, Calif.	8YN	Battle Creek, Mich.
6ZAB	San Francisco, Calif.	8YQ	Buffalo, N. Y.
6ZAC	Lihue, Hawaii.	SYR	Oxford, Ohio.
6ZAA	San Jose, Calif.	8YS	Cincinnati, Ohio.
6ZAD	Napa, Calif.	8YT	Alliance, Ohio.
6ZAE	Oakland, Calif.	8YU	Dayton, Ohio.
6ZC	Cochise, Ariz.	8YX	Cincinnati, Ohio.
6ZE	San Francisco, Calif.	8YZ	Pittsburgh, Pa.
6ZG	Los Angeles, Calif.	8ZA	New Philadelphia, Ohio.
6ZH	Richfield, Utah.	8ZAA	Springfield, Ohio.
6ZJ	Redlands, Calif.	8ZB	Toledo, Ohio.
6ZK	Sunnyvale, Calif.	8ZC	Battle Creek, Mich.
6ZL	Yuma, Ariz.	8ZD	Pittsburgh, Pa.
6ZM	Salt Lake City, Utah.	8ZE	Marietta, Ohio.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	Eighth district—Continued.		Ninth district—Continued.
SZ F	Lansing, Mich.	9YAD	Milwaukee, Wis.
SZ G	Salem, Ohio.	9YAE	Le Mars, Iowa.
SZ H	Cincinnati, Ohio.	9YAF	Pembina, N. Dak.
SZ I	Toledo, Ohio.	9YAG	Bloomington, Ind.
SZ J	Cincinnati, Ohio.	9YAH	Gunnison, Colo.
SZ K	Rochester, N. Y.	9YAI	Lexington, Ky.
SZ L	St. Marys, Ohio.	9YAJ	Northfield, Minn.
SZ M	Buffalo, N. Y.	9YB	West Lafayette, Ind.
SZ N	Ashland, Ohio.	9YC	Lexington, Ky.
SZ O	Pittsburgh, Pa.	9YD	University Place, Nebr.
SZ P	Cleveland, Ohio.	9YE	Chicago, Ill.
SZ Q	Dunmore, Pa.	9YG	Agricultural College, N. Dak.
SZ R	Mansfield, Ohio.	9YH	Evanston, Ill.
SZ S	Wilkes-Barre, Pa.	9YI	Ames, Iowa.
SZ T	Marietta, Ohio.	9YK	St. Louis, Mo.
SZ V	Canton, Ohio.	9YL	Chicago, Ill.
SZ W	Wheeling, W. Va.	9YM	Columbia, Mo.
SZ X	Dover, Ohio.	9YP	Omaha, Nebr.
SZ Y	Defiance, Ohio.	9YQ	Culver, Ind.
SZ Z	Highland Park, Mich.	9YR	Muncie, Ind.
	Ninth district:	9YS	Bloomington, Ill.
9XAA	Omaha, Nebr.	9YT	Wayne, Nebr.
9XAB	Kansas City, Mo.	9YY	Manhattan, Kans.
9XAC	Rock Island, Ill.	9YW	Rapid City, S. Dak.
9XAD	Ottumwa, Iowa.	9YY	Lincoln, Nebr.
9XAE	Wichita, Kans.	9ZAA	Clarinda, Iowa.
9XAF	Peoria, Ill.	9ZAB	Kearney, Nebr.
9XAG	Denver, Colo.	9ZAC	Anthony, Kans.
9XAH	Evansville, Ind.	9ZAD	Independence, Mo.
9XAI	Golden, Ohio.	9ZAE	Richmond, Ind.
9XAJ	Bedford, Iowa.	9ZB	St. Louis, Mo.
9XD	Valparaiso, Ind.	9ZC	Baudette, Minn.
9XE	Davenport, Iowa.	9ZD	Denver, Colo.
9XG	Chicago, Ill.	9ZH	Independence, Mo.
9XI	Minneapolis, Minn.	9ZJ	Indianapolis, Ind.
9XJ	Urbana, Ill.	9ZL	Manitowoc, Wis.
9XM	Madison, Wis.	9ZN	Chicago, Ill.
9XS	St. Louis, Mo.	9ZS	Springfield, Ill.
9XT	Collegeville, Minn.	9ZT	Minneapolis, Minn.
9XW	Galesburg, Ill.	9ZU	Sioux City, Iowa.
9XX	Belleview, Ill.	9ZV	St. Louis, Mo.
9XZ	Urbana, Ill.	9ZX	Ellendale, N. Dak.
9YAA	Emporia, Kans.	9ZY	La Crosse, Wis.
9YAB	St. Louis, Mo.	9ZZ	Kansas City, Mo.
9YAC	Superior, Wis.		

## RADIO COMPASS STATION INSTRUCTIONS.

1. Radio compass stations have been installed on the Atlantic, Gulf, and Pacific coasts for the purpose of supplying vessels with radio bearings. These stations are divided into two classes—those operating independently and others operating as harbor entrance groups—under the control of a central station at the harbor entrance and furnish a set of bearings which provide the fix which will enable vessels to be guided to the entrance buoys. The independent stations have been located with a view of giving radio bearings to ships not over 150 miles distant from the coast and are used, primarily, in coastwise piloting. Harbor entrance radio compass stations differ from those acting independently, in that the individual stations are connected to and controlled by the central control station.

2. The primary object of these stations is to assist in the navigation of vessels during atmosphere of low visibility. There is no charge for the service.

3. All independent and group radio compass stations keep watch on 800 meters, and this wave only should be used to call and work these stations.

4. To obtain a bearing from independent radio compass stations, call the station from which the bearing is desired in the usual manner and request bearings by means of a conventional signal given below. Simultaneous bearings from two or more compass stations can be obtained by making the call include the other compass stations desired.

5. To obtain bearings from harbor-entrance compass stations, carry out the same procedure, with the exception that the compass control station will answer instead of the compass station.

6. When bearings are requested simultaneously from two or more compass stations the compass station which is farthest north will supply the ship with its bearing first; the others will then follow in the order of their north to south, or east to west, geographical location.

7. The following abbreviated signals will be used until further notice:

Signal.	Meaning.
QTE?	What is my true bearing?
QTE	Your true bearing is _____ degrees from _____ radio compass station.
QTF?	What is my position?
QTF	Your position is latitude _____, longitude _____.

(a) A ship calling the radio compass station or compass control station should make the abbreviation "QTE," "What is my bearing?" This request will be answered by the radio compass station or control station, and when ready to observe the radio bearing he will send the signal "K," directing the ship to commence testing.

(b) The ship station on 800 meters will repeat its distinguishing signal for a period of 50 seconds and then await results. The signal should be made slowly with the dashes considerably prolonged.

(c) The radio compass station or control station will then reply in geographical order from north to south or east to west, repeating the abbreviation "QTE," "Your bearing from \_\_\_\_\_ was \_\_\_\_\_ degrees," following by the time, the degrees being indicated by a group of three figures 000 to 359, indicating the true bearing in degrees from the ship station to the radio compass station. In the case of more than one

radio compass station connected by landline the only one to answer is the station originally called. This station in giving the results combines all the bearings taken by itself and associated stations into one message, each bearing following immediately the name of the station making the observation.

8. Attention is invited to the fact that when a single bearing is furnished there is a possibility of an error of approximately 180 degrees, as the operator at the compass station can not always determine on which side of his station the vessel lies. Certain radio compass stations, particularly those on islands or extended capes, are equipped to furnish two corrected true bearings for any observation. Such bearings when furnished vessels may differ considerably from 180 degrees from each other, and whichever bearing is suitable should be used. Navigators should, therefore, never attempt to correct a bearing furnished by a radio compass station by the application of the 180-degree correction, as such correction does not take into account the deviation at the compass station, which may be of different sign and unequal amount in opposite directions. The error introduced by the use of 180-degree correction may amount to as much as 30 degrees. Vessels receiving bearings requiring approximately 180-degree correction should request the reciprocal bearing from the radio compass station in case the same is not furnished.

9. Subject to the foregoing, bearings should be accurate within 2 degrees of an arc. When bearings from three or more compass stations are not over 2 degrees of an arc in error, but do not meet at a fixed point, the geometrical center of the triangle formed by the bearings can generally be taken as the approximate position of the vessel.

10. In order that the operation of shore radio compass stations may be checked up, it is requested that a brief report be forwarded to the Director Naval Communication, Navy Department, Washington, D. C., containing the following particulars: (a) Name of ship; (b) name of radio compass station; (c) date and G. M. T. at which radio bearing was taken; (d) bearing given by radio compass station; (e) estimated position of ship at above time and dates by methods other than radio; (f) the probable degree of accuracy of the estimated position; (g) weather conditions at above time; (h) remarks, if any; (i) signature of master or responsible navigating officer.

61580<sup>c</sup>—21—7

# RADIO COMPASS STATIONS ON ATLANTIC AND PACIFIC COASTS, ALPHABETICALLY BY NAMES OF STATIONS.

## ATLANTIC COAST.

[Wave length of 800 meters for all compass stations.]

Station.	Call.	Position.
Amagansett, L. I., N. Y.	NBM	Lat. 40-57-52 N., long. 72-07-50 W.
Bar Harbor (Otter Cliffs), Me.	NBD	Lat. 44-18-38 N., long. 68-11-27 W.
Bethany Beach, Del.	NSD	Lat. 38-32-45 N., long. 75-03-22 W.
Burwood, La.	NBX	Lat. 28-57-27 N., long. 89-23-10 W.
Cape Elizabeth (Portland), Me.	NAB	Lat. 43-33-59 N., long. 70-11-59 W.
Cape Hatteras, N. C.	NDW	Lat. 35-14-22 N., long. 75-31-42 W.
Cape Henlopen, Del.	NSD	Lat. 38-47-35 N., long. 75-05-26 W.
Cape Lookout, N. C.	NAN	Lat. 34-36-11 N., long. 76-32-18 W.
Cape May, N. J.	NSD	Lat. 38-55-53 N., long. 74-54-35 W.
Chatham, Mass.	NXA	Lat. 41-42-49 N., long. 69-57-53 W.
Deer Island, Mass.	NAD	Lat. 42-21-15 N., long. 70-57-30 W.
Fire Island, N. Y.	NAH	Lat. 40-38-07 N., long. 73-12-32 W.
Folly Island, S. C.	NZV	Lat. 32-40-50 N., long. 79-52-27 W.
Fourth Cliff, Mass.	NAD	Lat. 42-09-40 N., long. 70-42-22 W.
Gloucester, Mass.	NAD	Lat. 42-35-19 N., long. 70-41-08 W.
Grand Island, La.	NLI	Lat. 29-13-52 N., long. 89-59-46 W.
Hog Island, Va.	NCZ	Lat. 37-22-38 N., long. 75-42-37 W.
Jupiter, Fla.	NAQ	Lat. 26-56-59 N., long. 80-04-57 W.
Key West, Fla.	NAR	Lat. 24-33-08 N., long. 81-45-18 W.
Mantoloking, N. J.	NAH	Lat. 40-01-30 N., long. 74-03-10 W.
North Island, S. C.	NZW	Lat. 33-13-21 N., long. 79-11-06 W.
Pass A Loutre, La.	NBX	Lat. 29-11-24 N., long. 89-02-26 W.
Poyners Hill, N. C.	NCZ	Lat. 36-17-10 N., long. 75-48-00 W.
Prices Neck, R. I.	NAF	Lat. 41-27-06 N., long. 71-20-15 W.
Rockaway Beach, N. Y.	NBT	Lat. 40-33-58 N., long. 73-52-31 W.
Sandy Hook, N. J.	NAH	Lat. 40-27-54 N., long. 73-59-50 W.
Surfside (Nantucket), Mass.	NBS	Lat. 41-14-42 N., long. 70-05-56 W.
Virginia Beach, Va.	NCZ	Lat. 36-51-09 N., long. 75-58-34 W.

## PACIFIC COAST.

Bird Island, Calif.	NLD	Lat. 37-49-25 N., long. 122-32-11 W.
Cape Hinchbrook, Alaska.	NRM	
Cattle Point, Wash.	NFN	Lat. 48-27-04 N., long. 122-57-45 W.
Empire, Oreg.	NPF	Lat. 43-23-03 N., long. 124-18-58 W.
Eureka, Calif.	NPW	Lat. 40-41-49 N., long. 124-16-34 W.
Farallons Island, Calif.	NPI	Lat. 37-41-55 N., long. 123-00-00 W.
Fort Stevens, Oreg.	NPE	Lat. 46-11-32 N., long. 123-59-15 W.
Imperial Beach, Calif.	NPL	Lat. 32-35-14 N., long. 117-07-54 W.
New Dungeness, Wash.	NFT	Lat. 48-10-30 N., long. 123-07-51 W.
Ocean Park, Wash.	NPE	
Point Arguello, Calif.	NPK	Lat. 34-34-43 N., long. 120-38-51 W.
Point Fermin, Calif.	NPX	Lat. 33-42-19 N., long. 118-17-38 W.
Point Hueneme, Calif.	NMD	Lat. 32-42-21 N., long. 117-15-17 W.
Point Montara, Calif.	NLH	Lat. 37-32-10 N., long. 122-31-00 W.
Point Reyes, Calif.	NLG	Lat. 38-02-30 N., long. 122-59-28 W.
Port Angeles, Calif.	NFT	
Smith Island, Wash.	NFH	Lat. 48-19-05 N., long. 122-50-39 W.
Soapstone Point, Alaska.	NUW	
Tatoosh, Wash.	NPD	Lat. 48-23-41 N., long. 124-44-13 W.

## RADIO COMPASS STATIONS ON ATLANTIC AND PACIFIC COASTS, ALPHABETICALLY BY CALL SIGNALS.

### ATLANTIC COAST.

Call.	Station.	Call.	Station.
NAB	Cape Elizabeth (Portland), Me.	NBT	Rockaway Beach, N. Y.
NAD	Deer Island, Mass.	NBX	Pass A Loutre, La.
NAD	Fourth Cliff, Mass.	NBX	Burrwood, La.
NAD	Gloucester, Mass.	NCZ	Hog Island, Va.
NAF	Prices Neck, R. I.	NCZ	Poynter's Hill, N. C.
NAH	Mantoloking, N. J.	NCZ	Virginia Beach, Va.
NAH	Sandy Hook, N. J.	NDW	Cape Hatteras, N. C.
NAH	Fire Island, N. Y.	NLI	Grand Island, La.
NAN	Cape Lookout, N. C.	NSD	Cape May, N. J.
NAQ	Jupiter, Fla.	NSD	Cape Henlopen, Del.
NAR	Key West, Fla.	NSD	Bethany Beach, Del.
NBD	Bar Harbor (Otter Cliffs), Me.	NXA	Chatham, Mass.
NBM	Amagansett, (Long Island), N. Y.	NZV	Folly Island, S. C.
NBS	Surfside (Nantucket), Mass.	NZW	North Island, S. C.

### PACIFIC COAST.

NFH	Smith Island, Wash.	NPF	Empire, Oreg.
NFN	Cattle Point, Wash.	NPI	Farallons Island, Calif.
NFT	Port Angeles, Calif.	NPK	Point Arguello, Calif.
NFT	New Dungeness, Wash.	NPL	Imperial Beach, Calif.
NLD	Bird Island, Calif.	NPL	Point Hueneme, Calif.
NLG	Point Reyes, Calif.	NPW	Eureka, Calif.
NLH	Point Montara, Calif.	NPX	Point Fermin, Calif.
NPD	Tatoosh, Wash.	NRM	Cape Hinchinbrook, Alaska.
NPE	Ocean Park, Wash.	NUW	Soapstone Point, Alaska.
NPE	Fort Stevens, Oreg.		

# APPENDIX.

## INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS.

[To be used for all general public-service radio communication. (1) A dash is equal to three dots; (2) the space between parts of the same letter is equal to one dot; (3) the space between two letters is equal to three dots; (4) the space between two words is equal to five dots.]

A . —	Period.....	• • • •
B — . .	Semicolon.....	— • • • —
C — . . .	Comma.....	• • • — •
D — . .	Colon.....	— — — • •
E .	Interrogation.....	• • — — •
F . . . —	Exclamation point.....	— — • • —
G — — •	Apostrophe.....	— — — — •
H . . . .	Hyphen.....	— • • • —
I ..	Bar indicating fraction.....	— • • — •
J . — — —	Parenthesis.....	— — — • —
K — — —	Inverted commas.....	• — • • —
L — . . .	Underline.....	• • — — —
M — —	Double dash.....	— • • — —
N — .	Distress call.....	• • — — — • •
O — — —	Attention call to precede every transmission.....	— — — — —
P . — — —	General inquiry call.....	— • • • — — —
Q — — — —	From (de).....	— • • •
R . — — —	Invitation to transmit (go ahead).....	— • — —
S ...	Warning—high power.....	— — • — —
T —	Question (please repeat after .....)—interrupting long messages.....	• • — — • •
U . . . —	Wait.....	— • • •
V . . . .	Break (Bk.) (double dash).....	— • • — —
W . — —	Understand.....	— • • — —
X — . . . —		
Y — . . —	Error.....	• • • • ^
Z — — . .	Received (O. K.).....	• — .
Ä (German)	Position report (to precede all position messages).....	— • • —
· · · ·	End of each message (cross).....	— — • — •
Å or Å (Spanish-Scandinavian)	Transmission finished (end of work) (conclusion of correspondence).....	• • • — —
· · · · —		
CH (German-Spanish)		
— — — —		
É (French)		
· · · ·		
Ñ (Spanish)		
— — — —		
Ö (German)		
— — — —		
Ü (German)		
· · · —		
— — — —		
1 . . . . —		
2 . . . — —		
3 . . . — —		
4 . . . . —		
5 . . . .		
6 — . . .		
7 — — . . .		
8 — — — . .		
9 — — — — .		
0 — — — —		

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATIONS.<sup>1</sup>

Abbreviation.	Question.	Answer or notice.
C Q	— · · · — — · —	Signal of inquiry made by a station desiring to communicate.
T R	— — · — —	Signal announcing the sending of particulars concerning a station on shipboard (Art. XXII).
(I)	— — — · — —	Signal indicating that a station is about to send at high power.
PRB	Do you wish to communicate by means of the International Signal Code?	I wish to communicate by means of the International Signal Code.
QRA	What ship or coast station is that?.....	This is .....
QRB	What is your distance?.....	My distance is .....
QRC	What is your true bearing?.....	My true bearing is ..... degrees.
QRD	Where are you bound for?.....	I am bound for .....
QRF	Where are you bound from?.....	I am bound from .....
QRG	What line do you belong to?.....	I belong to the ..... Line.
QRH	What is your wave length in meters?.....	My wave length is ..... meters.
QRJ	How many words have you to send?.....	I have ..... words to send.
QRK	How do you receive me?.....	I am receiving well.
QRL	Are you receiving badly? Shall I send 20..... ..... for adjustment?	I am receiving badly. Please send 20. ..... for adjustment.
QRM	Are you being interfered with?.....	I am being interfered with.
QRN	Are the atmospherics strong?.....	Atmospherics are very strong.
QRO	Shall I increase power?.....	Increase power.
QRP	Shall I decrease power?.....	Decrease power.
QRQ	Shall I send faster?.....	Send faster.
QRS	Shall I send slower?.....	Send slower.
QRT	Shall I stop sending?.....	Stop sending.
QRU	.....	I have nothing to transmit.
QRV	Are you ready?.....	I have nothing for you.
QRW	Are you busy?.....	I am ready. All right now.
QRX	Shall I stand by?.....	I am busy (or, I am busy with ..... Please do not interfere).
QRY	When will be my turn?.....	Stand by. I will call you when required.
QRZ	Are my signals weak?.....	Your turn will be No. .....
QSA	Are my signals strong?.....	Your signals are weak.
QSB	Is my tone bad?..... Is my spark bad?.....	Your signals are strong.
QSC	Is my spacing bad?.....	The tone is bad.
QSD	What is your time?.....	The spark is bad.
QSF	Is transmission to be in alternate order or in series?	Your spacing is bad.
QSG	.....	My time is .....
QSH	.....	Transmission will be in alternate order.
QSJ	What rate shall I collect for?.....	Transmission will be in series of 5 messages.
QSK	Is the last radiogram canceled?.....	Transmission will be in series of 10 messages.
QSL	Did you get my receipt?.....	Collect .....
		The last radiogram is canceled.
		Please acknowledge.

<sup>1</sup> When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATIONS—Continued.

Abbreviation.	Question.	Answer or notice.
QSM	What is your true course? .....	My true course is ..... degrees.
QSN	Are you in communication with land? .....	I am not in communication with land.
QSO	Are you in communication with any ship or station (or: with .....)?	I am in communication with ..... (through .....).
QSP	Shall I inform ..... that you are calling him?	Inform ..... that I am calling him.
QSQ	Is ..... calling me? .....	You are being called by .....
QSR	Will you forward the radiogram? .....	I will forward the radiogram.
QST	Have you received the general call? .....	General call to all stations.
QSU	Please call me when you have finished (or: at ... o'clock).	Will call when I have finished.
QSV <sup>1</sup>	Is public correspondence being handled? .....	Public correspondence is being handled. Please do not interfere.
QSW	Shall I increase my spark frequency? .....	Increase your spark frequency.
QSX	Shall I decrease my spark frequency? .....	Decrease your spark frequency.
QSY	Shall I send on a wave length of ..... meters?	Let us change to the wave length of ..... meters.
QSZ	.....	Send each word twice. I have difficulty in receiving you.
QTA	.....	Repeat the last radiogram.
QTC	Have you anything to transmit? .....	I have something to transmit. I have one or more radiograms for .....
QTE	What is my true bearing? .....	Your true bearing is ..... degrees from .....
QTF	What is my position? .....	Your position is ..... latitude ..... longitude.

<sup>1</sup> Public correspondence is any radio work, official or private, handled on commercial wave lengths.









**DEPARTMENT OF COMMERCE  
BUREAU OF NAVIGATION  
RADIO SERVICE**

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**COMMERCIAL AND GOVERNMENT,  
RADIO STATIONS OF THE  
UNITED STATES**

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**EDITION JUNE 30, 1922**



**WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1922**

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Additional copies of this publication may be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Amateur Radio Stations of the United States, 25 cents; Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in **radio laws and regulations** and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year.

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## NOTES.

Supplements, under the title "Radio Service Bulletin," are issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction and to those concerned with the operation of Government and commercial radio stations for their information.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

In looking up a station in this list it should be borne in mind that names of stations consisting of several words, such as Samuel L. Fuller and Hillsborough County, have been placed where they would have appeared if the name consisted of only a single word. This is done in conformity with the publications of the Berne Bureau and International Regulations.

Copies of this bulletin may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per year.

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Underscoring of normal wave length is indicated by the use of italics, except in list of Government land stations (see note at head of Government land station list).

### ABBREVIATIONS USED IN THIS LIST.

#### Nature of service:

PG=General public.

PR=Limited public.

RC=Radio compass station.

P=Private (limited commercial and special).

O=Government business exclusively.

#### Hours of operation:

N=Continuous service.

X=No regular hours.

#### Vessel owners:

U. S. S. B.=United States Shipping Board.

#### Radio companies:

F. T. Co.=Federal Telegraph Co.

I. W. T. Co.=Independent Wireless Telegraph Co.

R. C. of A.=Radio Corporation of America.

S. O. R. S.=Ship Owners Radio Service.

T. R. T. Co.=Tropical Radio Telegraph Co.

#### Classification:

b=Ship station.

c=Land station.

# **COMMERCIAL AND GOVERNMENT RADIO STATIONS OF THE UNITED STATES.**

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## **INTRODUCTION.**

The list, including land and ship stations, is published in accordance with section 1 of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

This publication contains a complete list of the commercial and Government land and ship stations, technical and training stations, experimental stations, and special amateur stations. A complete list of Amateur Radio Stations of the United States is printed separately, copies of which are available only from the Superintendent of Documents, Government Printing Office, Washington, D. C., at a nominal price.

The following instructions concerning radio call letters are issued for the information of those concerned:

1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:

SEC. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.

2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention, and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus

authorized is printed as follows for the guidance of operators of all stations (ship and shore) of the United States:

AAA to AMZ..	Germany.	OJA to OJZ....	Finland.
ANA to APZ..	Dutch Indies.	OKA to OKZ..	Czechoslovakia.
AQA to AWZ..	Norway.	OLA to OMZ..	Netherlands.
AXA to AZZ..		ONA to OTZ..	Belgium and colonies.
B.....	Great Britain.	OUA to OZZ..	Denmark.
CAA to CEZ ..	Chile.	PAA to PIZ....	Netherlands.
CFA to CKZ...	Great Britain and pro- tectorates.	PJA to PJM....	Curacao.
CLA to CMZ...	Spain.	PJN to PJZ....	Surinam.
CNA to CNZ..	Morocco.	PKA to PMZ..	Dutch Indies.
COA to COZ...	Great Britain.	PNA to PPZ...	Brazil.
CPA to CPZ...	Bolivia.	PQA to PSZ...	Portugal.
CQA to CQZ...	Monaco.	PTA to PVZ...	Brazil.
CRA to CUZ..	Portugal and possessions.	PWA to PWZ..	Cuba.
CVA to CVZ...	Rumania.	PXA to PZZ..	Netherlands.
CWA to CWZ...	Uruguay.	Q.....	Reserved for code abbre- viations.
CXA to CXZ...	Spain.	R.....	Russia.
CYA to CZZ...	Mexico.	SAA to SMZ...	Sweden.
D.....	Germany.	SNA to STZ...	Brazil.
EAA to EHZ..	Spain and colonies.	SUA to SUZ...	Egypt.
EIA to EZZ...	Great Britain.	SVA to SZZ...	Greece.
F.....	France and colonies.	TAA to TEZ..	Turkey.
G.....	Great Britain.	TFA to TFZ...	Iceland.
HAA to HAZ..	Hungary.	TGA to THZ...	Greece.
HBA to HBZ..	Switzerland.	TIA to TOZ...	Spain.
HCA to HCZ..	Ecuador.	TPA to TUZ..	Norway.
HDA to HEZ...	Netherlands.	TVA to TZZ...	Netherlands.
HFA to HFZ..	Kingdom of Serbia.	UAA to UMZ...	France and colonies and protectorates.
HGA to HHZ..	Siam.	UNA to UNZ..	Kingdom of Serbia.
HIA to HIZ..	Dominican Republic.	UOA to UOZ..	Austria.
HJA to HKZ..	Republic of Colombia.	UPA to UZZ...	Italy.
HLA to HNU..	Spain.	VAA to VGZ..	Canada (British).
HNV to HNZ..	New Hebrides.	VHA to VKZ..	Australia (British).
HOA to HZZ..	France and colonies and protectorates.	VLA to VMZ..	New Zealand (British).
I.....	Italy and colonies.	VNA to VNZ..	South African Union (British).
J.....	Japan and colonies.	VOA to VOZ..	Newfoundland (British).
KAA to KBZ..	Germany.	VPA to VSZ...	British colonies not au- tonomous.
KCA to KCZ..	Latvia.	VTA to VWZ..	British India.
KDA to KZZ..	United States.	VXA to VZZ..	Colonies and protec- torates of Great Britain.
LAA to LHZ..	Norway.	W.....	United States.
LIA to LRZ..	Argentine Republic.	XAA to XDZ..	Mexico.
LSA to LUZ..	Great Britain.	XEA to XMZ..	Great Britain.
LVA to LVZ..	Guatemala.	XNA to XSZ..	China.
LWA to LWZ..	Norway.	XTA to XZZ..	Great Britain.
LXA to LZZ...	Bulgaria.	Y.....	Great Britain.
M.....	Great Britain.	Z.....	Great Britain.
N.....	United States.		
OAA to OBZ <sup>1</sup> ..	Peru.		
OCA to OFZ..	Great Britain.		
OGA to OIZ..	Denmark.		

<sup>1</sup> Provisionally.

## PUBLIC-SERVICE STATIONS.

3. The call letters assigned to the United States are all three and four letter combinations, beginning with the letter N and all beginning with the letter W, and all combinations from KDA to KZZ, inclusive. The international call letters assigned to the United States are reserved for Government stations and stations open to public and limited commercial service.

(a) All combinations beginning with the letter N are reserved for Government stations, and, in addition, the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the United States Army.

(b) During the war the combinations of three letters beginning with K, W, and N were exhausted, and it was necessary to assign combinations of four letters beginning with K, W, and N. Operators should be careful in transmitting call letters to avoid confusion between the three and the four letter combinations.

## LIMITED COMMERCIAL STATIONS.

4. Call letters for limited commercial land and ship stations are allotted by the Bureau of Navigation.

## RADIO STATIONS OF THE WORLD.

5. The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland. In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates. The international list includes the Government and commercial land and ship stations of the United States. The list is divided into three sections. The first section contains a list of coast stations, grouped by countries and arranged alphabetically; the second section contains a list of ship stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are stated in francs and centimes. Supplements to the international list will be issued monthly and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business, as the official tariff book, and a copy of this list is required as a part of the equipment of every land station open to general public service and every

ship station of the first or second class on American vessels engaged in foreign trade or the transoceanic service. The international alphabetical list of call letters (stations of the world) is also issued by the International Bureau at Berne, and supplements are issued monthly. Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

D. B. CARSON,  
*Commissioner of Navigation.*

Approved:

HERBERT HOOVER,  
*Secretary of Commerce.*

# COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Akutan, Alaska.....	KMW	300, 450, 600..	PR	X	North Pacific Sea Products Co.
Alitak, Alaska.....	KYL	300, 500, 600..	PR	X	Alaska Packers Assn.
Amuguis, P. I.....	KPB	600, 1200.....	PG	* <sup>(1)</sup>	Philippine Insular Government.
Babylon, N. Y. (See New York, N. Y.)	WBC	.....	.....	.....	I. W. T. Co.
Balabac, P. I.....	KEW	.....	.....	.....	Philippine Insular Government.
Barnegat, N. J. (Tucker-ton).	WCI	300, 600, 16800	PR	N	R. C. of A.
Batangas, P. I.....	KPC	2700.....	PG	(*)	Philippine Insular Government.
Baytown, Tex.....	KDPS	300, 600.....	PR	X	Humble Oil & Refining Co.
Beaumont, Tex.....	WOD	300, 440, 600..	PR	X	Magnolia Petroleum Co.
Becharof, Alaska.....	KUDV	300, 500, 600..	PR	X	Alaska Packers Assn.
Belfast, Me.....	WNW	300, 450, 600, 1800.	PG	.....	R. C. of A.
Belmar, N. J. (See New Brunswick, N. J.)	WII	.....	.....	.....	Do.
Bolinis, Calif.....	KET	1331.....	PR	N	Do.
Bolinis, Calif.....	KPH	300, 450, 600, 1800.	PG	N	Do.
Bongao, P. I.....	KEO	.....	.....	.....	Philippine Insular Government.
Boston, Mass.....	WBF	300, 450, 600, 1800.	PG	N	T. R. T. Co.
Bristol Bay, Alaska (See Metha Nelson.)	KMP	.....	.....	.....	Alaska Packers Assn.
Burwood, La.....	WBW	300, 600, 1700.	PG &	X	T. R. T. Co.
Butte, Mont.....	KMN	550, 1700.....	PR	X	Montana Power Co.
Cagayan de Sulu, P. I.....	KEV	.....	.....	.....	Philippine Insular Government.
Camp Eustis, Va., Div. I	WPF	300, 476, 600..	PR	X	U. S. S. B.
Camp 60, Calif.....	KDPV	527.....	PR	X	Southern California Edison Co.
Camp 61, Calif.....	KDPW	527.....	PR	X	Do.
Camp 61-C, Calif.....	KFM	527.....	PR	X	Do.
Cape Edwards, Alaska.....	KEY	300, 550, 600..	PR	X	Deep Sea Salmon Co.
Cape May, N. J.....	WCY	300, 600, 1610.	PG	N	R. C. of A.
Cascada, Calif.....	KDPU	527, 1650.....	PR	X	Southern California Edison Co.
Cebu, P. I.....	KPI	600, 1200.....	PG	(*)	Philippine Insular Government.
Chattham, Mass.....	WIM	300, 450, 600..	PG	N	R. C. of A.
Chattham, Mass. (See Marion, Mass.)	WSO	.....	.....	.....	R. C. of A.
Cheboygan, Mich.....	KUXM	300, 400, 600..	PR	X	Warren W. Kathan.
Chichagof, Alaska.....	KRX	300, 550, 600..	PR	X	Chichagof Mining Co.
Chignik, Alaska.....	KHC	300, 600, 1610.	PR	X	Alaska Packers Assn.
Chignik, Alaska.....	KNP	300, 525, 600, 1650	PR	X	Columbia River Packers Assn.
Chisik Island, Alaska....	KUCP	300, 550, 600, 1650	PR	X	Surf Packing Co.
Clarks Point, Alaska....	KHG	300, 400, 500, 600	PR	X	Alaska Packers Assn.
Clearwater, Calif.....	KOK	300, 600, 3375, 4200, 5500	PR	(*)	Federal Telegraph Co.
Cleveland, Ohio.....	KDPM	300, 330, 500, 600, 1610	P	X	Westinghouse Electric & Mfg. Co.
Coram Hill, N. Y.....	WQL	300, 600, 19000	PR	X	R. C. of A.
Culion, P. I.....	KPJ	600, 1200.....	PG	(*)	Philippine Insular Government.
Cuyo, P. I.....	KIX	600, 1200.....	PG	(*)	Do.
Dallas, Tex.....	KUXP	300, 500, 600..	PR	N	Continental Radio Teleg. & Telep. Co.
Daly, Alaska.....	KDJT	300, 500, 600..	PR	X	Alaska-Portland Packers Assn.
Davao, P. I.....	KIF	600, 1200.....	PG	(*)	Philippine Insular Government.
Dearborn, Mich.....	KDEN	300, 460, 480, 500, 520, 600	PR	X	Henry Ford.
Detroit, Mich.....	KDPH	300, 400, 600, 1625	PR	X	Detroit-Edison Co.
Detroit, Mich.....	WQX	275, 300, 350, 600	PR	(*)	Central States Radio Service.
East Hampton, N. Y....	WSA	300, 600.....	PG	N	I. W. T. Co.
East Moriches, N. Y....	WSE	300, 600, 1800, 2800	PG &	N	Do.
Egegik, Alaska.....	KMF	300, 550, 600..	PR	X	Libby, McNeill & Libby.
Ekuk, Alaska.....	KMG	300, 500, 600..	PR	X	Do.
Ensenada, P. R.....	WPR	300, 600, 1800..	PG	(*)	S. Porto Rico Sugar Co. of Porto Rico.

\* See footnotes to this table on p. 12.

## COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Everett, Wash.....	KFT	300, 440, 550, 600	PG	N	American Tugboat Co.
Everett, Wash.....	KJB	200, 300, 340, 600	PR	X	Puget Sound Telephone Co.
Fairport, Va.....	KDAH	300, 450, 600..	PR	(6)	C. E. Davis Packing Co.
False Pass, Alaska.....	KJL	390, 525, 600, 2000	PR	X	P. E. Harris & Co.
Ferris Oil Field, Wyo....	KDIC	425.....	PR	X	General Petroleum Corp. of Calif.
Flat Rock, Mich.....	WFD	300, 385, 600..	PR	X	Ford Motor Co.
Fort Morgan, Ala.....	WIO	300, 450, 600; 1700	PR	X	T. R. T. Co.
Fort Worth, Tex.....	KDMK	500.....	PR	N	Continental Radio Teleg. & Telep. Co.
Fort, Worth, Tex.....	WCV	440.....	PG	(1)	Midland Refining Co.
Frankfort, Mich.....	WFK	300, 450, 600..	PG	(1)	Ann Arbor Ry. Co.
Funker, Alaska.....	KXX	300, 550, 600..	PR	X	Thinek Packing Co.
Galveston, Tex.....	KDLZ	300, 375, 425, 600	PR	X	Sugarland Industries.
Harrisburg, Pa.....	WBAK	400.....	PR	X	Pennsylvania State police.
Hawk Inlet, Alaska.....	KKAI	300, 550, 600..	PR	X	P. E. Harris & Co.
Hillsboro, Oreg.....	KGH	300, 600, 4100, 6200, 8500	PR	X	F. T. Co.
Hog Island, Pa.....	KDAB	.....	P	X	Am. International Shipping Corp.
Honolulu, Hawaii.....	KYQ	200, 340.....	PR	X	The Radio Shop.
Hyder, Alaska.....	KDFA	300, 550, 600, 1610	PR & PG	X	Hyder Townsite & Improvement Co.
Ikatan, Alaska.....	KXW	300, 450, 600..	PR	X	Pacific American Fisheries.
Iloilo, P. I.....	KPM	600, 1200.....	PG	(1)	Philippine Insular Government.
Isabela de Basilan, P. I.....	KPN	200.....	PG	(1)	Do.
Johnswood, Mich.....	KUVQ	300, 450, 600..	PR	X	Kreitan Co.
Jolo, P. I.....	KIL	600.....	PG	(1)	Philippine Insular Government.
Jordan, Mont.....	KUVR	500.....	PR	(1)	Miles City-Jordan Wireless Co.
Jualin, Alaska.....	KJA	300, 900, 1800..	PR	X	Jualin Alaska Mines Co.
Kahuku, Hawaii (Oahu Station).....	KGI	16300.....	PR	N	R. C. of A.
Kahuku, Hawaii.....	KIE	9145, 16975..	PR	N	Do.
Karluk, Alaska.....	KYK	300, 500, 600..	PR	X	Alaska Packers Assn.
Kaunakakai, Hawaii.....	KHO	300, 550, 600..	PR	(1)	Mutual Telephone Co.
Kawaihae, Hawaii.....	KHN	300, 350, 600..	PR	(1)	Do.
King Cove, Alaska.....	KJK	300, 450, 600, 1610	PG & X	Pacific-American Fisheries Co.	
Koggiung (permanently moored vessel).....	KUBX	300, 400, 600..	PR	X	Alaska Packers Assn.
Koggiung, Alaska.....	KVV	300, 450, 600, 1600	PR	X	Libby, McNeill & Libby.
Kokohead, Hawaii. (See Kahuku, Hawaii.).....	KIE	.....	.....	.....	R. C. of A.
Kussilof, Alaska.....	KKAO	525, 600, 1610..	PR	X	Alaska Packers Assn.
Kvichak, Alaska.....	KHB	300, 400, 500, 600	PR	X	Do.
Kwiguk Slough, Alaska.....	KOV	550, 600, 1610..	PR & PG	X	Carlisle Packing Co.
Lahaina, Hawaii.....	KHL	300, 550, 600..	PR	(1)	Mutual Telephone Co.
Laramie, Wyo.....	KDC	1635.....	PR	X	Illinois Pipe Line Co.
Latouche, Alaska.....	KIM	300, 600, 1650.. 2200	PR	X	Kennecott Copper Corp.
Lawrenceville, Ill.....	WJB	1625.....	PR	X	Indian Pipe Line Corp.
Lazy Bay, Alaska.....	KEPS	300, 600, 1650..	PR	X	Alitak Packing Co.
Libbyville, Alaska.....	KMT	300, 600, 1700 2200	PR	X	Libby, McNeill & Libby.
Jihue, Hawaii.....	KHM	300, 550, 600..	PR	(1)	Mutual Telephone Co.
Lima, Ohio.....	WBY	1635.....	PR	X	Illinois Pipe Line Co.
Lockanok, Alaska.....	KML	300, 550, 600, 1650	PR	X	Libby, McNeill & Libby.
Long Beach, Calif.....	KUXT	300, 350, 400, 450, 500, 600	PR	(1)	Pacific Telep. & Teleg. Co.
Los Angeles, Calif.....	KHI	300, 600, 1650..	PR	X	Southern California Edison Co.
Los Angeles, Calif.....	KVT	300, 600, 1610..	PR	X	Boulevard Express.
Lost Harbor, Alaska.....	KWS	300, 600..	PR	X	Alaska Sulphur Co.
Ludington, Mich.....	WLD	300, 450, 600..	PG	(1)	Pere Marquette Ry. Co.
Malabang, P. I.....	KIZ	600, 1200.....	PG	(1)	Philippine Insular Government.
Malangas, P. I.....	KPV	300, 600.....	PG	(1)	Do.
Malita, P. I.....	KPW	600, 1200.....	PG	(1)	Do.
Manitowoc, Wis.....	WMW	300, 475, 600..	PG	(1)	Pere Marquette Ry. Co.
Marion, Mass.....	WCC	300, 600, 2800..	PG	N	R. C. of A.
Marion, Mass. (Matapois- sett).....	WRQ	13900.....	PR	N	Do.
Marion, Mass.....	WSO	11620.....	PR	N	Do.
Marshall, Alaska.....	KIS	300, 550, 600, 1650	PR	X	John C. Currin.

COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Marshall, Calif. (See Bolinas, Calif.)	KET				R. C. of A.
Martinsville, Ill.	WHY	1685.....	PR	X	Illinois Pipe Line Co.
Mattoon, Ill.	KPZ	500.....	PR	(12)	Philippine Insular Government.
Metha Nelson (moored vessel).	KMP	300, 400, 600.....	PR	X	Alaska Packers Assn.
Mexia, Tex.	WFM	300, 475, 600.....	PR	(8)	Continental Radio Teleg. Co.
Miles City, Mont.	KUXN	500.....	PR	X	Miles City-Jordan Wireless Co.
Minneapolis, Minn.	WLP	425.....	PR	X	Northern States Power Co.
Nakat Inlet, Alaska.	KDW	300, 525, 600..... 1700, 2000.....	PR	X	G. W. Hume & Co.
Naknek, Alaska.	KHT	300, 600, 1610.....	PR	X	Alaska Packers Assn.
Naknek, Alaska.	KMK	300, 500, 600..... 1806.....	PR	X	Naknek Packing Co.
Negley, Ohio.	WCQ	1635.....	PR	X	Illinois Pipe Line Co.
Nelson Lagoon, Alaska.	KXV	300, 450, 600.....	PR	X	Pacific American Fisheries.
New Brunswick, N. J.	WII	13600.....	PR	N	R. C. of A.
New Brunswick, N. J. (Bound Brook).	WRT	11500.....	PR	N	Do.
New London, Conn.	WLC	300, 450, 600.....	PG	(*)	I. W. T. Co.
New London, Conn.	WST	300, 450, 600.....	PG	N	T. R. T. Co.
New Orleans, La.	WNU	300, 600, 1700,... 2850.....	PG	N	
New York, N. Y.	KUVS	300, 400, 450,... 600.....	PR	X	City of New York Police Dept.
New York, N. Y. (Baby- lon).	WBC	300, 600, 1800.....	PG	N	I. W. T. Co.
New York, N. Y.	WCG	300, 475, 600.....	PG	N	Do.
New York, N. Y.	WRL	300, 600, 1700.....	PR	(*)	John Wanamaker.
New York, N. Y.	WNY	300, 600, 1800.....	PG	N	R. C. of A.
New York, N. Y.	WSK	300, 450, 600.....	PR	(*)	Panama R. R. Co.
Nixon Fork, Alaska.	KDRY	300, 600, 1650.....	PR	X	Alaska Treadwell Gold Mining Co.
Norfolk, Nebr.	WKH	440.....	PR	(1)	Midland Refining Co.
Norfolk, Va.	WPT	300, 475, 600.....	PR	X	Norfolk Dept. of Public Safety.
Northville, Mich.	KDEP	300, 425, 600.....	PR	X	Henry Ford.
Nushagak, Alaska.	KKAE	300, 600, 1600.....	PR	X	Libby, McNeill & Libby.
Orange, Tex.	WBAR	1625.....	PR	X	Hamilton Oil Corp.
Orange Field, Tex.	WBAS	1625.....	PR	X	Do.
Owensboro, Ky.	WJC	1625.....	PR	X	Indian Pipe Line Corp.
Palo Alto, Calif.	KWT	300, 600, 3100,... 3700, 4300,... 4650, 5850,... 7775.....	PR	X	F. T. Co.
Pedrocasta, Calif. (Santa Catalina I.).	KUXV	300, 350, 400,... 450, 500, 600.....	PR	(*)	Pacific Telep. & Teleg. Co.
Philadelphia, Pa.	WHE	300, 600, 1700.....	PR	(*)	John Wanamaker.
Pike, Ky.	WAAI	1610.....	PR	X	Sullivan Pond Creek Co.
Pilot Point, Alaska.	KUDT	300, 500, 600.....	PR	X	Alaska Packers Assn.
Pirate Cove, Alaska.	KOZN	300, 600, 1650.....	PR	X	Union Fish Co.
Point Reyes, Calif. (Bolinas).	KDU	300, 600, 12100.....	PR	N	R. C. of A.
Port Althorp, Alaska.	KLW	300, 450, 525,... 600.....	PR	X	Deep Sea Salmon Co.
Port Beaufort, Alaska.	KWO	300, 550, 600.....	PR	X	Beauclair Packing Co.
Port Huron, Mich.	KDPJ	300, 400, 600,... 1625.....	PR	X	Detroit-Edison Co.
Port Lebak, P. I.	KPX	300, 450, 600,...	PR	X	Philippine Insular Government.
Port Moller, Alaska.	KWR	1610.....	PR	X	Pacific American Fisheries.
Port Walter, Alaska.	KEQ	300, 500, 525,... 600.....	PR & PG	X	Alaska Herring & Sardine Co.
Puerto Princesa, P. I.	KIV	600, 12000.....	PG	(1)	Philippine Insular Government.
Quincy, Mass.	KDGU	300, 600, 1985.....	PR	X	Bethlehem S. B. Corp.
Radioville, Alaska.	KWW	300, 550, 600.....	PR	X	Joseph T. Bauer.
Rainbow, Mont. (near Great Falls).	KLQ	550, 17000.....	PR	X	Great Falls Power Co.
Rawlins, Wyo.	KDIB	425.....	PR	X	General Petroleum Corp. of Calif.
Rockland, Me.	WME	300, 425, 600.....	PR & PG	X	Swans Island & Rockland Radio Communication Service.
Rogers, Mich.	WCAF	300, 450, 475,... 600.....	PR	X	Mich. Limestone & Chemical Co.
Ruby (moored vessel).	KDRH	300, 400, 600.....	PR	X	Alaska Packers' Assn.
Saltchuck, Alaska.	KWQ	300, 525, 600,... 1650.....	PR	X	Saltchuck Mining Co.
San Diego, Calif.	KEN	300, 450, 600.....	PR	X	A. E. Banks.
San Diego, Calif.	KVU	300, 600, 1610.....	PR	X	Boulevard Express.

## COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
San Francisco, Calif.....	KDRO	300, 450, 600, 1605	PR	X	Bethlehem S. B. Corp.
San Francisco, Calif. (Beach station).	KFS	300, 600, 1800.	PG	N	F. T. Co.
San Francisco, Calif.....	KHH	300, 570, 600..	PR	X	John P. Hickey.
San Francisco, P. I. (Camotes).	KPY	300, 600.....	PG	( <sup>1</sup> )	Philippine Insular Government
San Jose, P. I.....	KIY	600.....	PG	( <sup>1</sup> )	Do.
Savannah, Ga.....	WBAL	300, 450, 600..	PR	X	U. S. S. B.
Seattle, Wash.....	KFL	200, 300, 340, 600	PR	X	Garrison Babcock.
Seattle, Wash.....	KPE	300, 450, 550, 600	PR	N	City of Seattle, harbor dept.
Seattle, Wash.....	KVW	300, 450, 550, 600	PR	X	City of Seattle, light dept.
Seldovia, Alaska.....	KEA	300, 550, 600..	PG PR & PG	X	Adam Lipke.
Siasconset, Mass.....	WSC	300, 450, 600, 1610		X	R. C. of A.
Siasi, P. I.....	KED	.....	PR	X	Philippine Insular Government.
Skagit Power Site, Wash.....	WJE	300, 450, 550, 600		X	City of Seattle, light dept.
Snag Point, Alaska.....	KHF	300, 400, 500, 600	PR	X	Alaska Packers' Assn.
Springfield, Ohio.....	WNA	465.....	PR	X	Ford Motor Co.
Springwells, Mich.....	WPZ	300, 480, 520, 600	PR	X	Do.
St. James, N. Y.....	WQK	16465.....	PR	N	R. C. of A.
Sugarland, Tex.....	KDLY	300, 375, 425, 600	PR	X	Sugarland Industries.
Superior, Mich.....	KDPI	300, 500, 600, 1625	PR	X	Detroit-Edison Co.
Swans Island, Me.....	WTI	300, 425, 600..	PR	X	Swans Island & Rockland Radio Communication Service.
Tampa, Fla.....	WPD	300, 600.....	PG	N	George C. Warner, Jr.
Tenakee, Alaska.....	KOSC	300, 550, 600..	PG	X	Columbia Salmon Co.
Thompson Falls, Mont.....	KLL	550, 1700.....	PR	X	Thompson Falls Power Co.
Toledo, Ohio.....	WQC	275, 300, 350, 600	PR	( <sup>4</sup> )	Central States Radio Service.
Tralee, W. Va.....	WCAA	525.....	PR	X	Meade Pocahontas Coal Co.
Tuckerton, N. J.....	WGG	15900.....	PR	N	R. C. of A.
Tulsa, Okla.....	KDGT	425, 450.....	PR	N	Southwestern Wireless Teleg. & Telep. Co.
Tulsa, Okla.....	WBAT	1625.....	PR	X	Hamilton Oil Corp.
Tulsa, Okla.....	WEH	1610.....	PR	X	Midland Refining Co.
Ugashik, Alaska.....	KMU	300, 500, 600..	PR	X	Red Salmon Canning Co.
Unga, Alaska.....	KVI	300, 600, 1800.	PR	X	Alaska Codfish Co.
Uyak, Alaska.....	KHA	300, 600, 1610.	PR	X	Alaska Packers' Assn.
Wahiawa, Hawaii.....	KHK	300, 550, 600..	PG	N	Mutual Telephone Co.
Warren, Alaska.....	KDJU	300, 500, 600..	PR	X	Alaska-Portland Packers' Assn.
Washington Bay, Alaska	KQS	300, 550, 600, 1650	PR	X	Petersburg Packing Co.
Wichita Falls, Tex.....	KUXQ	1750.....	PR	N	Continental Radio Teleg. & Telep. Co.
Yakutat, Alaska.....	KKA	300, 550, 600..	PR	X	Libby, McNeill & Libby.
Zamboanga, P. I.....	KIW	600, 1800.....	PG	( <sup>2</sup> )	Philippine Insular Government.

<sup>1</sup> 8 a. m. to 5.30 p. m.<sup>2</sup> 7 a. m. to 8 p. m.<sup>3</sup> 7 a. m. to 11 p. m.<sup>4</sup> 8.30 a. m. to 6 p. m.<sup>5</sup> 5 a. m. to 12 noon and 1 to 10 p. m.<sup>6</sup> 7 a. m. to 6 p. m.<sup>7</sup> 8 a. m. to 6 p. m.<sup>8</sup> 7 a. m. to 5.30 p. m.<sup>9</sup> 7 a. m. to 12 p. m.<sup>10</sup> 5 a. m. to 12 midnight.<sup>11</sup> 23 hours daily.<sup>12</sup> 7.30 a. m. to 11 p. m.<sup>13</sup> 9 a. m. to 5 p. m.<sup>14</sup> 9 a. m. to 6 p. m., except Sunday.<sup>15</sup> 9 a. m. to 6 p. m.<sup>16</sup> 9 a. m. to 6 p. m.

# COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
A. A. Daugherty	KDHX	300, 450, 600	PG-X	National Oil Transport Co.	I. W. T. Co.
A. A. Augustus	KDXQ	300, 600	PG-X	Pioneer S. S. Co.	R. C. of A.
Abangarez	KDI	300, 600	PG-N	United Fruit Co.	T. R. T. Co.
Abercos	KOVR	300, 600	PG-X	U. S. S. B.	S. O. R. S.
Ablanset	KIXF	300, 600	PG-X	do	
Abner Coburn	WHR	300, 550, 600	PG-X	Libby, McNeill & Libby	Do.
Abraham Lincoln	KIXS	300, 600	PG-X	U. S. S. B.	
Abron	KEBD	300, 450, 600	PG-X	do	
Absaroka	WKW	300, 600	PG-X	do	
Absecon	KSEA	300, 600	PG-X	A. H. Bull S. S. Co.	I. W. T. Co.
A. C. Bedford	KNZ	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Accomac	KMCE	300, 600	PG-X	U. S. S. B.	
Achilles	KPT	300, 450, 600	PG-N	Panama R. R. Co.	S. O. R. S.
Acme	KIJ	300, 450, 600	PG-X	Standard Transportation Co.	R. C. of A.
Acropolis	KDRI	300, 450, 600	PG-N	Stephen D. Stephenidis	Do.
Adam E. Cornelius	KDVF	300, 600	PG-X	American S. S. Co.	Owner of vessel.
Adler	KDTT	300, 600	PG-X	Coronal Coal Co.	
Admiral Dewey	WAY	300, 600	PG-N	Pacific S. S. Co.	R. C. of A.
Admiral Evans	KICZ	300, 450, 600	PG-N	do	Do.
Admiral Farragut	WAF	300, 600	PG-N	do	Do.
Admiral Goodrich	WRJ	300, 450, 525, 600	PG-N	do	Do.
Admiral Mayo	WZIO	300, 440, 525, 600	PG-X	Pacific-Alaska Navigation Co.	Do.
Admiral Nicholson	KMAA	300, 450, 600	PG-X	Pacific S. S. Co.	
Admiral Rodman	WOA	300, 600	PG-N	do	Do.
Admiral Schley	WAZ	300, 600	PG-N	do	Do.
Admiral Sebree	WAG	300, 450, 600	PG-X	Pacific-Alaska Navigation Co.	Do.
Admiral Sims	KXUO	300, 440, 525, 600	PG-X	do	Owner of vessel.
Admiral Watson	WAW	300, 450, 600	PG-N	Pacific S. S. Co.	R. C. of A.
Adria	KUSZ	300, 450, 600	PG-X	U. S. S. B.	
Advance	KMV	300, 450, 600	PG-N	Panama R. R. Co.	Owner of vessel.
A. E. R. Schneider	WFUI	300, 450, 600	PG-X	Morrow S. S. Co.	I. W. T. Co.
Afel	KISQ	300, 600	PG-X	U. S. S. B.	R. C. of A.
Afoundra	KOMQ	300, 600	PG-X	do	S. O. R. S.
Agarista	KLUU	300, 600	PG-X	do	
Agawam	WNIE	300, 450, 600	PG-X	do	
Agnes Dollar	WSF	300, 450, 600	PG-X	Dollar S. S. Line	
Agron	KUVJ	300, 600	PG-X	U. S. S. B.	
Agwibay	KDSR	300, 600	PG-X	Guaranty Trust Co.	I. W. T. Co.
Agwidale	WDOA	300, 450, 600	PG-X	Mallory S. S. Co.	Do.
Agwihaire	KDRX	300, 450, 600	PG-X	A., G. & W. I. S. S. Lines	Do.
Agwilake	KDNN	300, 600	PG-X	do	Do.
Agwimars	KDMC	300, 600	PG-X	do	Do.
Agwimex	KDUQ	300, 600	PG-X	do	Do.
Agwimoon	KDBC	300, 600	PG-X	do	Do.
Agwisea	KDMB	300, 600	PG-X	do	Do.
Agwismith	KDRC	300, 600	PG-N	do	Do.
Agwistar	KEPG	300, 450, 600	PG-X	New York & Cuba Mail S. S. Co.	Do.
Agwistone	KDPO	300, 450, 600	PG-X	A., G. & W. I. S. S. Lines	Do.
Agwisun	KDAD	300, 600	PG-X	do	Do.
Agwiworld	KDMD	300, 600	PG-X	do	Do.
Ala	KDOB	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Alabama	WFB	300, 600	PG-X	Goodrich Transit Co.	R. C. of A.
Alabama	WRAE	300, 600	PG-X	Texas Co.	
Aladdin	KDQM	300, 600	PG-X	Standard Transportation Co.	Do.
Alameda	KOBN	300, 600	PG-N	U. S. S. B.	S. O. R. S.
Alameda	WAA	300, 450, 600	PG-N	Alaska S. S. Co.	Do.
Alamo	KEJ	300, 450, 600	PG-N	Mallory S. S. Co.	I. W. T. Co.
Alamossa	WLUI	300, 600	PG-X	U. S. S. B.	
Alaskan	WKA	300, 450, 600	PG-X	American-Hawaiian S. S. Co.	United Am. Lines.
Alberta	KFAK	300, 600	PG-X	do	
Alberta	KZA	300, 600, 1800	PG-X	Fred G. Bourne	
Albert B. Watts	KDOK	300, 600	PG-X	Sinclair Navigation Co.	R. C. of A.
Alcona	WLUD	300, 450, 600	PG-X	U. S. S. B.	
Aledo	KEPL	300, 600	PG-X	do	I. W. T. Co.
Algic	KDDC	300, 450, 600	PG-X	do	Do.
Algonquin	KIZT	300, 450, 600	PG-N	Clyde S. S. Co.	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Algonquin.....	KDKH	300, 450, 600	PG-X	Standard Transportation Co.	R. C. of A.
Alicia.....	KZB	300, 600	PG-X	Alfred I. DuPont.....	Owner of vessel.
A. L. Kent.....	KDLL	300, 600	PG-X	Crowell & Thurlow S. S. Co.	Do.
Allagash.....	KVX	300, 450, 525, 600	PG-X	American Transatlantic Co.	S. O. R. S.
All America.....	KDWF	300, 450, 600	PG-N	Mexican Telegraph Co.	Owner of vessel.
Allegheny.....	WRAI	300, 600	PG-X	Great Lakes Transit Corp.	
Allen.....	KDXC	300, 600		Dennis Sullivan.....	
Allentown.....	KVIU	300, 600	PG-X	U. S. S. B.....	
Allianca.....	KMA	300, 450, 600	PG-N	Panama R. R. Co.	
Alliance.....	WRV	300, 600	PG-X	Gulf Mail S. S. Co.	
Allies.....	KQUA	300, 600	PG-X	U. S. S. B.....	
Alloway.....	KTAA	300, 450, 600	PG-X	do.....	S. O. R. S.
Aloha.....	KYH	300, 450, 600	PG-X	Arthur C. James.....	Owner of vessel.
Alpena.....	WCS	300, 600	PG-X	Wyandotte Trans. Co.	R. C. of A.
Alpha.....	KDWG	300, 600		E. C. Schroeder.....	Owner of vessel.
Amazon.....	KDXP	300, 600	PG-X	Pioneer S. S. Co.	R. C. of A.
Ambridge.....	KIKQ	300, 600	PG-N	U. S. S. B.....	
A. M. Byers.....	WMY	300, 600	PG-X	North American S. S. Co.	Do.
Amerross.....	KOVF	300, 600	PG-X	U. S. S. B.....	
Amelia.....	WRF	300, 450, 600	PG-X	Atlantic Fruit Co.	I. W. T. Co.
America.....	KDOW	300, 450, 600, 1800	PG-N	U. S. S. B.....	R. C. of A.
American.....	WKF	300, 450, 600	PG-X	American-Hawaiian S. S. Co.	United Am. Lines.
American Legion.....	KDTM	300, 600, 1800	PG-N	U. S. S. B.....	S. O. R. S.
American Press.....	KUDN	300, 450, 600	PG-X	do.....	R. C. of A.
American Star.....	KIPP	300, 450, 600	PG-X	American Star Line (Inc.)	Do.
Amolco.....	KMB	300, 600	PG-X	Boston Molasses Co.	Owner of vessel.
Amphion.....	WJS	300, 600	PG-N	U. S. S. B.....	R. C. of A.
Anaconda.....	KOFD	300, 450, 600	PG-N	do.....	Do.
Anacortes.....	KQOA	300, 450, 600	PG-X	Panama R. R. Co.	I. W. T. Co.
Ancon.....	KMS	300, 450, 600	PG-N	U. S. S. B.....	Owner of vessel.
Andalusia.....	WJA	300, 600	PG-N	Luckenbach S. S. Co.	S. O. R. S.
Andrea F. Luckenbach.....	KIFV	300, 450, 600	PG-N		
Angles. (See The Angels). ....					
Aniwa.....	KROE	300, 600	PG-N	U. S. S. B.....	
Anahuauc.....	KUZL	300, 600	PG-X	do.....	
Andrew Jackson.....	KONQ	300, 600	PG-X	do.....	I. W. T. Co.
Auna E. Morse.....	KUTD	300, 600	PG-X	do.....	Owner of vessel.
Annapolis.....	KDOM	300, 600	PG-X	City of Baltimore.....	R. C. of A.
Ann Arbor No. 3.....	WDN	300, 600	PG-X	Ann Arbor R. R. Co.	Do.
Ann Arbor No. 4.....	WDO	300, 600	PG-X	do.....	Do.
Ann Arbor No. 5.....	WDP	300, 600	PG-X	Empire Trust Co.	Do.
Ann Arbor No. 6.....	WDQ	300, 600	PG-X	Ann Arbor Boat Co. (Inc.)	Do.
Annetta.....	WRG	300, 450, 600	PG-X	Atlantic Fruit Co.	I. W. T. Co.
Annette Rolph.....	KETZ	300, 600	PG-X	Rolph Navigation & Coal Co.	Owner of vessel.
Anniston.....	KIDM	300, 450, 600	PG-X	U. S. S. B.....	
Anniston City.....	KDSG	300, 450, 600	PG-X	U. S. Steel Products Co.	S. O. R. S.
Anthracite Bridge.....	KUKG	300, 600	PG-X	U. S. S. B.....	
Antietam.....	KONR	300, 600	PG-X	do.....	I. W. T. Co.
Antilla.....	KWD	300, 450, 600	PG-X	New York & Cuba Mail S. S. Co.	Do.
Antinous.....	KDAX	300, 450, 600	PG-X	U. S. S. B.....	
Antonia.....	KOLD	300, 600	PG-N	Madrigal & Co.	Owner of vessel.
Anvil.....	KDYP	300, 425, 600	PG-X	Howard N. Findlay.....	I. W. T. Co.
Apache.....	KVA	300, 600	PG-N	Clyde S. S. Co.	Owner of vessel.
Apex.....	KGUI	300, 425, 600	PG-X	Wilson Fisheries Co.	I. W. T. Co.
Apus.....	KDBZ	300, 600	PG-X	U. S. S. B.....	Do.
Aquarius.....	KUSN	300, 600	PG-X	do.....	I. W. T. Co.
Aquilo.....	KOCJ	300, 425, 600	P-X	H. F. Alexander.....	Owner of vessel.
Arapahoe.....	KVB	300, 600	PG-N	Clyde S. S. Co.	I. W. T. Co.
Arcadia.....	WWD	300, 600	PG-X	U. S. S. B.....	
Archer.....	KXG	300, 600	PG-X	do.....	
Arcturus.....	KURD	300, 450, 600	PG-X	do.....	R. C. of A.
Arden.....	KDPN	300, 600	PG-X	do.....	S. O. R. S.
Ardmore.....	KIA	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Arenas.....	KIRM	300, 600	PG-X	U. S. S. B.....	Do.
Argenta.....	KIKS	300, 600	PG-X	do.....	I. W. T. Co.
Argon.....	KUDD	300, 600	PG-X	Standard Transportation Co.	Do.
Argosy.....	KDHL	300, 450, 600	PG-X	U. S. S. B.....	S. O. R. S.
Argus.....	KUVF	300, 600	PG-X	do.....	I. W. T. Co.
Ario.....	KULM	300, 450, 600	PG-X	Standard Transportation Co.	Do.
Arizona.....	WFG	300, 600	PG-X	Goodrich Transl. Co.	R. C. of A.
Arizonan.....	WKB	300, 600	PG-X	American-Hawaiian S. S. Co.	United Am. Lines.
Arizpa.....	KULN	300, 450, 600	PG-X	U. S. S. B.....	
Armenia.....	KYM	300, 600	PG-X	do.....	I. W. T. Co.
Artemis.....	KDLJ	300, 600	PG-X	Jewett M. Scott.....	Owner of vessel.
Artemis.....	WQS	300, 600	PG-N	U. S. S. B.....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Artigas.....	KURG	300, 450, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Aryan.....	KOLB	300, 450, 600..	PG-X	Texas Co.....	Do.
Asabeth.....	KIXG	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Ascutney.....	KYV	300, 600.....	PG-N	do.....	
Ashbee.....	KIGZ	300, 450, 600..	PG-X	do.....	
Asher J. Hudson.	KDWG	300, 600.....	PG-X	Sabine Towing Co.....	I. W. T. Co.
Ashland County.....	KOMR	300, 450, 600..	PG-X	U. S. S. B.....	R. C. of A.
Ashtabula.....	WEZ	300, 600.....	PG-X	Pa. & Ontario Nav. Co.....	
Askawake.....	KETM	300, 450, 600..	PG-X	U. S. S. B.....	
Asquam.....	KISV	300, 600.....	PG-X	do.....	
Assinippi.....	KIPB	300, 600.....	PG-X	do.....	
Astoria.....	KDYT	300, 600.....	PG-X	Richard T. Green Co.....	Do.
Astral.....	KIQ	300, 450, 600..	PG-X	Standard Transportation Co.....	Do.
Asuncion.....	WTX	300, 450, 600..	PG-X	G. W. McNear (Inc.).....	T. R. T. Co.
Atenas.....	KDK	300, 600.....	PG-N	United Fruit S. S. Corp.....	S. O. R. S.
Atlanta City.....	KDSW	300, 600.....	PG-X	U. S. Steel Products Co.....	
Atlanta of Texas.....	KDCN	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Atlantic Sun.....	KUMS	300, 450, 600..	PG-X	Sun Co.....	Do.
Atlas.....	WTT	300, 600.....	PG-X	Standard Oil Co. of Calif.....	
Auburn.....	WDOE	300, 450, 600..	PG-N	U. S. S. B.....	
Auditor.....	KOFF	300, 450, 600..	PG-X	do.....	
Ausable.....	WWP	300, 600.....	PG-X	American Transatlantic Co.....	S. O. R. S.
Australia.....	KDXO	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. of A.
Avalon.....	KIZL	300, 600.....	PG-X	Hart-Wood Lumber Co.....	Owner of vessel.
Avalon.....	WFH	300, 600.....	PG-X	Wilmington Transpn. Co.....	R. C. of A.
Avondale.....	KKAU	300, 600.....	PG-X	U. S. S. B.....	
Babboosie.....	KITC	300, 600.....	PG-N	do.....	
Babinda.....	KODP	300, 600.....	PG-X	Ocean Motorship Co.....	Owner of vessel.
Baccarat.....	KUSX	300, 600.....	PG-X	Independent S. S. Co.....	R. C. of A.
Bacol.....	KJU	300, 450, 600..	PG-X	Gillespie S. S. Corp.....	
Bakersfield.....	KIYC	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Baldbutte.....	KISM	300, 600.....	PG-X	do.....	
Baldhill.....	KOBV	300, 600.....	PG-X	do.....	
Baldrock.....	KEQJ	300, 450, 600..	PG-X	U. S. & Bermuda Towing Co.....	
Ballcamp.....	KENV	300, 450, 600..	PG-X	U. S. S. B.....	
Balleñas.....	KEMZ	300, 600.....	PG-X	do.....	
Ballew.....	KENQ	300, 600.....	PG-X	do.....	
Balsam.....	KIJC	300, 600.....	PG-X	do.....	
Bannack.....	KIZQ	300, 450, 600..	PG-X	do.....	
Bantu.....	KLM	300, 450, 600..	PG-X	U. S. Steel Products Co.....	Do.
Baracoa.....	KEDN	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Bar Harbor.....	KEFD	300, 600.....	PG-X	do.....	I. W. T. Co.
Barkhamstead.....	WLQ	300, 600.....	PG-X	do.....	S. O. R. S.
Barlow.....	WLAE	300, 600.....	PG-X	do.....	
Barralton.....	KIDT	300, 600.....	PG-X	do.....	
Barranca.....	KIFR	300, 600.....	PG-X	Bissi Towboat Co. (La.).....	Do.
Barrenfark.....	KIID	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Barryton.....	KIJF	300, 600.....	PG-X	do.....	
Barstow.....	KIJR	300, 600.....	PG-X	do.....	
Bartholomew.....	KOMF	300, 600.....	PG-X	do.....	
Barwick.....	KOBR	300, 600.....	PG-X	do.....	I. W. T. Co.
Basco.....	WVEI	300, 600.....	PG-N	do.....	
Bascobel.....	KOFS	300, 600.....	PG-X	France & Canada Oil Tr. Corp.....	R. C. of A.
Basdorf.....	KOFR	300, 600.....	PG-X	do.....	Do.
Bathalam.....	KIQT	300, 600.....	PG-X	U. S. S. B.....	
Bathgate.....	KIQS	300, 600.....	PG-X	Southern Transportation Co.....	
Baton Rouge.....	KDVX	300, 600.....	PG-X	Inland & Coastwise W. Serv.....	Owner of vessel.
Baton Rouge.....	KSG	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Bavington.....	KOPC	300, 450, 600..	PG-X	U. S. S. B.....	
Bayamo.....	WDEU	300, 600.....	PG-X	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Bay Head.....	KINT	300, 450, 600..	PG-X	U. S. S. B.....	R. C. of A.
Bayonne.....	KFAG	300, 600.....	PG-X	Vacuum Oil Co.....	I. W. T. Co.
Bayou Chico.....	KDGK	300, 600.....	PG-X	U. S. S. B.....	
Bayport.....	KUJC	300, 600.....	PG-X	National Oil Transport Co.....	
Baytown.....	KDEM	300, 600.....	PG-X	Humble Oil & Refining Co.....	R. C. of A.
Bayway.....	KSR	300, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Bearport.....	KUBK	300, 450, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Beatrice.....	KLJ	300, 600.....	PG-X	A. H. Bull S. S. Co.....	Do.
Belfast.....	KRD	300, 450, 600..	PG-X	Eastern S. S. Lines.....	R. C. of A.
Belfort.....	KIQB	300, 600.....	PG-X	U. S. S. B.....	
Bellbuckle.....	KITK	300, 600.....	PG-X	do.....	
Bellemina.....	KODS	300, 450, 600..	PG-X	do.....	Radio supr., Norfolk, Va.
Bellepline.....	KOKF	300, 450, 600..	PG-N	do.....	
Bellerose.....	KOKD	300, 450, 600..	PG-N	do.....	
Bellflower.....	KOPQ	300, 600.....	PG-N	do.....	
Bellhaven.....	KOFC	300, 600.....	PG-N	do.....	
Bellingham.....	WCIA	300, 450, 600..	PG-X	do.....	I. W. T. Co.
Belvidere.....	KEQK	300, 450, 600..	PG-X	do.....	Do.

## 16 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Benjamin Brewster	KPS	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Benj. F. Packard ..	WLA	300, 450, 525, 600	PG-X	Booth Fisheries Co.	S. O. R. S.
Benomi.....	KERR	300, 600.....	PG-N	U. S. S. B.	
Benowa.....	KOTZ	300, 600.....	PG-X	Ocean Motorship Co.	
Bensalem.....	KOFT	300, 600.....	PG-X	U. S. S. B.	
Berlin.....	WRB	300, 600.....	PG-X	Alaska Portl'd Packers' Assn.	Owner of vessel.
Bernice.....	KDYF	300, 465, 600	PG-X	R. H. Arnold.....	Do.
Bessemer.....	KIGT	300, 450, 600	PG-X	U. S. S. B.	
Bessemer City.....	KDOF	300, 450, 600	PG-X	U. S. Steel Products Co.	R. C. of A.
Bethelbridge.....	KERT	300, 600.....	PG-N	U. S. S. B.	I. W. T. Co.
Bethlehem Bridge.....	KIJV	300, 600.....	PG-X	do.....	Owner of vessel.
Bethlehem Shipbuilding Corp. <sup>1</sup>	KUFP	.....	.....	Bethlehem Shipbuilding Corp.	
Bethore.....	KDWW	300, 600.....	PG-X	Ore S. S. Co.	R. C. of A.
Betsy Bell.....	KITM	300, 600.....	PG-N	U. S. S. B.	
Betterton.....	KUBG	300, 600.....	PG-X	do.....	
Betty R.....	KDTF	200, 300, 600	PR-X	Edward C. Crossett.....	Owner of vessel.
Bibbco.....	KDHJ	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Bidwell.....	KESQ	300, 450, 600, 1800	PG-X	do.....	Do.
Biran.....	KKOA	300, 600.....	PG-X	do.....	
Bird City.....	KOBP	300, 450, 600	PG-X	do.....	I. W. T. Co.
Birkenhead.....	KDVL	300, 600.....	PG-X	Vacuum Oil Co.	R. C. of A.
Birmingham City.....	KUTT	300, 450, 600	PG-X	U. S. Steel Products Co	Do.
Black Arrow.....	WLN	300, 600.....	PG-N	U. S. S. B.	
Blair.....	KIGR	300, 450, 600	PG-X	do.....	I. W. T. Co.
Blue Point.....	KDLU	300, 600.....	PG-X	Atlantic Fisheries Co.	
Blue Triangle.....	KUGS	300, 450, 600	PG-X	U. S. S. B.	Do.
Bluffton.....	KEKZ	300, 600.....	PG-X	do.....	
Bogota.....	KORQ	300, 600.....	PG-X	do.....	Do.
Bohemian Club.....	KDTB	300, 450, 600, 1800	PG-X	do.....	S. O. R. S.
Bolivar.....	KIQP	300, 450, 600,	PG-X	do.....	I. W. T. Co.
Bonnie Brook.....	KDGX	300, 600.....	PG-X	do.....	
Booyalla.....	KUGC	300, 600.....	PG-X	Ocean Motorship Co.	
Boston.....	KXA	300, 550, 600	PG-N	New England S. S. Co.	
Boston Bridge.....	KINS	300, 450, 600	PG-X	U. S. S. B.	
Bound Brook.....	KIFQ	300, 600.....	PG-X	do.....	
Bowdoin.....	KDTQ	.....	.....	McMillan Arctic Association	Owner of vessel.
Boy Scout.....	KDYG	300, 600.....	PG-X	Waldo H. Brown.....	
Brabant.....	KUU	300, 450, 600	PG-X	Texas Co.	I. W. T. Co.
Braddock.....	KETG	300, 600.....	PG-N	U. S. S. B.	R. C. of A.
Bradford.....	KNG	300, 450, 600	PG-X	Standard Oil Co. of N. J.	Do.
Bramell Point.....	KRO	300, 600.....	PG-X	Vacuum Oil Co.	
Brandywine.....	WGUI	300, 600.....	PG-X	U. S. S. B.	
Brasher.....	KIJX	300, 600.....	PG-X	do.....	
Brave Coeur.....	KOGN	300, 450, 600	PG-X	do.....	I. W. T. Co.
Bremerton.....	WSZ	300, 600.....	PG-X	do.....	
Brevard.....	KEPJ	300, 600.....	PG-X	do.....	
Briarcliffe.....	KEPK	300, 600.....	PG-X	do.....	
Bridgetown.....	KUCZ	300, 450, 600	PG-X	Standard Oil Co. of N. Y.	
Brilliant.....	KTI	300, 450, 600	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Brindilla.....	KTZ	300, 450, 600	PG-X	Coastwise Transpn. Corp.	Do.
Bristol.....	KEGC	300, 450, 600	PG-X	Standard Transpn. Co.	Do.
Broad Arrow.....	KSY	300, 450, 600	PG-N	Colonial Navigation Co.	
Brockton.....	KNH	300, 600.....	PG-N	Crosby Marine Corp.	
Brookdale.....	WNNU	300, 600.....	PG-X	do.....	
Brookline.....	KURT	300, 600.....	PG-X	U. S. S. B.	S. O. R. S.
Brush.....	KDHV	300, 450, 600	PG-X	do.....	R. C. of A.
Brynhilda.....	KIO	300, 450, 600	PG-X	Cosmopolitan Shipping Co.	Do.
Buccaneer.....	KFO	300, 450, 600	PG-X	Sinclair Navigation Co.	S. O. R. S.
Buckeye State.....	KDRW	300, 450, 600, 1800	PG-N	U. S. S. B.	
Buckhannon.....	KELG	300, 600.....	PG-X	Gulf & Southern S. S. Co.	
Buffalo Bridge.....	KIZF	300, 600.....	PG-X	U. S. S. B.	R. C. of A.
Burnwell.....	KIMS	300, 600.....	PG-X	do.....	I. W. T. Co.
Buttercup.....	KIJT	300, 600.....	PG-X	do.....	S. O. R. S.
Butterfield.....	KIIS	300, 450, 600	PG-X	do.....	R. C. of A.
Bylayl.....	KSCU	300, 450, 600	PG-X	Pocahontas Fuel Co.	Do.
Byron D. Benson.....	KDWN	300, 450, 600	PG-X	Tidewater Oil Co.	
Cabegen.....	KEJQ	300, 600.....	PG-N	U. S. S. B.	
Cabrille.....	KENS	300, 450, 600	PG-X	do.....	
Cabrillo.....	WBV	300, 600.....	PG-X	Wilmington Transpn. Co.	R. C. of A.
C. A. Canfield.....	WIH	300, 450, 600	PG-X	Pan-American Petroleum & Transport Co.	Do.
Cacique.....	WBE	300, 450, 600	PG-X	Grace S. S. Co.	Do.

<sup>1</sup> Portable set placed on board vessels during trial trip.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Cadaretta.....	WLOO	300, 600, .....	PG-X	U. S. S. B.....	S. O. R. S.
Caddo.....	KSK	300, 450, 600, .....	PG-X	Standard Oil Co. of N. J. ....	R. C. of A.
Caddopeak.....	WPUE	300, 600, .....	PG-X	U. S. S. B.....	I. W. T. Co.
Cairo.....	KDQW	300, 600, .....	PG-X	Inland & Coastwise Waterways Service.	
Calamares.....	KLC	300, 600, .....	PG-N	United Fruit Corp. ....	T. R. T. Co.
Calaveras.....	KXIE	300, 450, 600, .....	PG-X	U. S. S. B.....	
Calcite.....	KDZN	300, 450, 600, .....	PG-X	Calcite Transpn. Co. ....	Owner of vessel.
Caldas.....	KOQV	300, 450, 600, .....	PG-X	Caribbean S. S. Co. ....	R. C. of A.
Calicorock.....	KXII	300, 600, .....	PG-X	U. S. S. B.....	
Californian.....	KDYD	300, 450, 600, 1800	PG-X	American-Hawaiian S. S. Co. ....	United Am. Lines.
Calispell.....	KXIO	300, 600, .....	PG-X	U. S. S. B.....	
Callabasas.....	WPUI	300, 450, 600, .....	PG-X	Callabasas S. S. Corp. ....	Owner of vessel.
Callao.....	WHF	300, 600, .....	PG-X	J. H. Mahony. ....	
Calno.....	KINV	300, 600, .....	PG-X	U. S. S. B.....	
Caloria.....	KSP	300, 450, 600, .....	PG-X	Standard Oil Co. of N. J. ....	R. C. of A.
Calvert.....	WTUI	300, 600, .....	PG-X	U. S. S. B.....	
Calvin Austin.....	KRN	300, 450, 600, .....	PG-N	Eastern S. S. Lines. ....	Do.
Camaguey.....	KWI	300, 450, 600, .....	PG-N	New York & Cuba Mail S. S. Co. ....	I. W. T. Co.
Cambridge.....	KGR	300, 550, 600, .....	PG-N	New York & New Orleans S. S. Co. ....	R. C. of A.
Cambridge.....	KIRR	300, 600, .....	PG-X	U. S. S. B.....	
Camden.....	KDKL	300, 600, .....	PG-X	United Fruit Tanker Corp. ....	T. R. T. Co.
Camden.....	KRC	300, 600, .....	PG-X	Eastern S. S. Lines. ....	R. C. of A.
Cananova.....	KDBN	300, 600, .....	PG-X	Cananova S. S. Corp. ....	I. W. T. Co.
Cancel.....	KUTP	300, 600, .....	P-X	American Can Co. ....	Owner of vessel.
Canibas.....	WQEÜ	300, 450, 600, .....	PG-X	U. S. S. B.....	
Canoga.....	WKZ	300, 600, .....	PG-X	.....do.....	
Canusumset.....	KIJD	300, 600, .....	PG-X	.....do.....	
Cape Henry.....	KMIE	300, 600, 1800, .....	PG-X	.....do.....	
Cape May.....	WDOI	300, 600, .....	PG-N	.....do.....	
Cape Romain.....	KREA	300, 600, .....	PG-X	.....do.....	
Capillo.....	KUPN	300, 450, 600, .....	PG-X	.....do.....	
Capital of Nebraska.....	KUSF	300, 450, 600, .....	PG-X	.....do.....	
Captain A. F. Lucas.....	WTV	300, 450, 600, .....	PG-X	Standard Oil Co. of Calif. ....	Do.
Capulin.....	KUZR	300, 600, .....	PG-X	U. S. S. B.....	Do.
Caracas.....	KDB	300, 450, 600, .....	PG-N	Atlantic & Caribbean Steam Navigation Co. ....	Do.
Cardonia.....	KUVV	300, 450, 600, .....	PG-X	U. S. S. B.....	S. O. R. S.
Carenco.....	KDDM	300, 450, 600, .....	PG-X	.....do.....	R. C. of A.
Carib.....	KJII	300, 600, .....	PG-X	A. G. & W. I. S. S. Lines. ....	
Carib.....	KUZX	300, 425, 600, .....	PG-X	George F. Silva. ....	Owner of vessel.
Caribbean.....	KGUE	300, 600, .....	PG-X	Panama Canal. ....	Do.
Carl D. Bradley.....	WGN	300, 450, 475, 600	PG-X	Bradley Transpn. Co. ....	R. C. of A.
Carlton.....	KDDK	300, 450, 600, .....	PG-X	U. S. S. B.....	I. W. T. Co.
Carolina.....	WFE	300, 600, .....	PG-N	Goodrich Transit Co. ....	R. C. of A.
Carolinian.....	KJF	300, 450, 600, .....	PG-X	Garland S. S. Corp. ....	Do.
Carolyn.....	KZG	300, 600, .....	PG-X	A. H. Bull S. S. Co. ....	I. W. T. Co.
Carpalaka.....	KDES	300, 450, 600, .....	PG-X	U. S. S. B.....	Do.
Carrabulle.....	KDER	300, 600, .....	PG-X	.....do.....	S. O. R. S.
Carrillo.....	KDE	300, 600, .....	PG-N	United Fruit S. S. Corp. ....	T. R. T. Co.
Cartago.....	KDD	300, 600, .....	PG-N	.....do.....	Do.
Cascade.....	WPUO	300, 600, .....	PG-N	U. S. S. B.....	I. W. T. Co.
Casco.....	WCP	300, 600, .....	PG-N	.....do.....	
Casey.....	KOQJ	300, 600, .....	PG-X	.....do.....	Do.
Casiana.....	KYE	300, 450, 600, .....	PG-X	Edward L. Doheny. ....	R. C. of A.
C. A. Smith.....	WEL	300, 600, .....	PG-X	Pacific States Lumber Co. ....	Owner of vessel.
C. A. Snider.....	KRR	300, 600, .....	PG-X	Union Sulphur Co. ....	S. O. R. S.
Casper.....	KIRX	300, 450, 600, .....	PG-X	U. S. S. B.....	R. C. of A.
Cassimir.....	KDDZ	300, 600, .....	PG-X	.....do.....	S. O. R. S.
Castana.....	KDFF	300, 600, .....	PG-X	.....do.....	Do.
Castle Lodge.....	KGV	300, 450, 600, .....	PG-X	Luckenbach S. S. Co. ....	Do.
Castle Point.....	KESD	300, 600, .....	PG-X	U. S. S. B.....	R. C. of A.
Castle Town.....	KOF	300, 450, 600, .....	PG-X	.....do.....	
Castle Wood.....	KEKQ	300, 600, .....	PG-X	.....do.....	
Catahoula.....	KDFG	300, 600, .....	PG-X	.....do.....	
Cathay.....	KDWX	300, 450, 600, .....	PG-N	.....do.....	S. O. R. S.
Catherine.....	KTOI	300, 450, 600, .....	PG-X	.....do.....	R. C. of A.
Catherine D.....	KMAI	300, 450, 550, 600	PG-N	Pacific American Fisheries. ....	I. W. T. Co.
Cathlamet.....	KOLP	300, 600, .....	PG-X	U. S. S. B.....	S. O. R. S.
Cathwood.....	KURC	300, 600, .....	PG-X	.....do.....	I. W. T. Co.
Cauto.....	KWF	300, 450, 600, .....	PG-X	N. Y. & Cuba Mail S. S. Co. ....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Cayo Mambi.....	KUZZ	300, 600.....	PG-X	Cayo Mambi S. S. Corp.....	I. W. T. Co.
Cayuga.....	KDJQ	300, 600.....	PG-X	Independent S. S. Co.....	
Cebu.....	KDOC	300, 600.....		Compania Maritima.....	R. C. of A.
Cecil County.....	KERZ	300, 450, 600.....	PG-X	U. S. S. B.....	
Cedarhurst.....	KDIQ	300, 600.....	PG-X	.....do.....	R. C. of A.
Cedar Spring.....	WTEI	300, 450, 600.....	PG-X	.....do.....	Owner of vessel.
Celio.....	WMF	300, 600.....	PG-N	Celio S. S. Co.....	R. C. of A.
Centaurus.....	KOPZ	300, 450, 600.....	PG-X	Green Star S. S. Corp.....	Owner of vessel.
Centurion.....	KDVZ	300, 450, 600.....	PG-X	Buffalo Bayou Co.....	
Ceralvo.....	WTEI	300, 450, 600.....	PG-X	U. S. S. B.....	
Cerosco.....	WTEO	300, 450, 600.....	PG-X	.....do.....	
Cerro-Azul.....	KDQY	300, 450, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.	R. C. of A.
Cerro-Ebanio.....	KDQS	300, 450, 600.....	PG-X	.....do.....	Do.
Cerro Gardo.....	KEFK	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Cethana.....	KORG	300, 600.....	PG-X	Ocean Motorship Co.....	
Challamba.....	KORJ	300, 600.....	PG-X	.....do.....	
Challenger.....	WNII	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Chalmette.....	KKC	300, 600.....	PG-N	Southern Pacific S. S. Co.....	
Chamberino.....	KEFL	300, 450, 600.....	PG-X	U. S. S. B.....	
Chamblee.....	KEGG	300, 600.....	PG-X	.....do.....	
Chantier.....	KEGK	300, 600.....	PG-X	.....do.....	
Chaparel.....	KEGJ	300, 600.....	PG-X	.....do.....	I. W. T. Co.
Chappaqua.....	KURF	300, 450, 600.....	PG-X	.....do.....	
Chappell.....	KEVS	300, 600.....	PG-X	.....do.....	R. C. of A.
Charles Braley.....	KVP	300, 450, 600.....	PG-X	Cuba Distilling Co.....	Do.
Charles E. Harwood.....	WID	300, 450, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.	
Charles H. Cramp.....	KDHH	300, 600, 1800.....	PG-X	U. S. S. B.....	
Charles L. Hutchinson.....	WMIU	300, 600.....	PG-X	Pioneer S. S. Co.....	Do.
Charles M. Everest.....	WPOU	300, 450, 600.....	PG-X	Vacuum Oil Co.....	Do.
Charles O. Jenkins.....	WFT	300, 600.....	PG-X	Jenkins S. S. Co.....	Do.
Charles Pratt.....	KSQ	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Charlie Watson.....	KDLA	300, 450, 600.....	PG-X	Standard Oil Co. of Calif.....	Do.
Charlot.....	WMUI	300, 600.....	PG-X	U. S. S. B.....	
Charlton Hall.....	KLU	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	Do.
Chattanooga City.....	KIDN	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Chautauqua.....	KDUW	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	
Chebaulip.....	KIFK	300, 600.....	PG-X	U. S. S. B.....	Do.
Chepadoa.....	KJAA	300, 600.....	PG-X	.....do.....	Do.
Cherokee.....	KOFL	300, 600.....	PG-X	.....do.....	
Chester Kiwanis.....	KVK	300, 450, 600.....	PG-N	Clyde S. S. Co.....	
Chester Sun.....	KDBP	300, 450, 600.....	PG-X	U. S. S. B.....	
Chester Valley.....	WAS	300, 450, 600.....	PG-X	Sun Co.....	
Chester W. Chapin.....	KOST	300, 450, 600.....	PG-X	U. S. S. B.....	
Chestnut Hill.....	KXQ	300, 450, 600.....	PG-N	New England S. S. Co.....	
Chigwad.....	KVGF	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Chotopa.....	KDJI	300, 450, 600.....	PG-X	.....do.....	S. O. R. S.
Chicago.....	WAC	300, 600.....	PG-X	Booth Fisheries Co.....	
Chicago Bridge.....	KECG	300, 600.....	PG-X	U. S. S. B.....	
Chickamauga.....	KULC	300, 450, 600.....	PG-X	.....do.....	R. C. of A.
Chickasaw.....	KOJR	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
Chickasaw City.....	KUNZ	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	R. C. of A.
Chicomico.....	KOLS	300, 450, 600.....	PG-X	U. S. S. B.....	
China.....	WWA	300, 450, 600.....	PG-N	China Mail S. S. Corp.....	
China Arrow.....	KDGW	300, 600.....	PG-X	Standard Transpn. Co.....	
Chinchia.....	KJZ	300, 450, 600.....	PG-X	Green Star S. S. Corp.....	
Chipechung.....	WBIA	300, 600.....	PG-X	U. S. S. B.....	
Chippewa.....	KDJS	300, 600.....	PG-X	Independent S. S. Co.....	Owner of vessel.
Christopher Columbus bus.....	WFJ	300, 600.....	PG-X	Goodrich Transit Co.....	R. C. of A.
Circinus.....	KOPK	300, 450, 600.....	PG-X	Green Star S. S. Corp.....	Do.
City of Alameda.....	KUCQ	300, 600.....	PG-X	U. S. S. B.....	
City of Alma.....	KUBP	300, 450, 600.....	PG-X	.....do.....	S. O. R. S.
City of Alton.....	KONZ	300, 450, 600.....	PG-X	.....do.....	R. C. of A.
City of Atlanta.....	KFB	300, 450, 600.....	PG-N	Ocean S. S. Co.....	
City of Augusta.....	KFJ	300, 450, 600.....	PG-N	.....do.....	
City of Bangor.....	KRH	300, 600.....	PG-X	Eastern S. S. Lines.....	
City of Berkeley.....	KOZQ	300, 600.....	PG-X	U. S. S. B.....	
City of Brockton.....	KXO	300, 600.....	PG-X	New England S. S. Co.....	
City of Buffalo.....	WFQ	300, 600.....	PG-X	Cleve. & Buffalo Trans. Co.....	
City of Cleveland III.....	WEA	300, 450, 600.....	PG-N	Detroit & Cleve. Nav. Co.....	
City of Columbus.....	KFA	300, 450, 600.....	PG-N	Ocean S. S. Co.....	
City of Dalhart.....	KDN	300, 450, 600.....	PG-X	U. S. S. B.....	
City of Detroit II.....	WEC	300, 450, 600.....	PG-X	Detroit & Cleve. Nav. Co.....	
City of Detroit III.....	WEF	300, 450, 600.....	PG-N	.....do.....	
City of Elwood.....	KDMV	300, 450, 600.....	PG-X	U. S. S. B.....	
City of Erie.....	WFP	300, 600.....	PG-X	Cleve. & Buffalo Trans. Co.....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
City of Eureka.....	KEFT	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
City of Everett.....	KTQ	300, 600.....	PG-X	Standard Oil Co. of N. Y.....	R. C. of A.
City of Fairbury.....	KISR	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
City of Flint.....	KUCV	300, 450, 600.....	PG-X	do.....	Do.
City of Fort Worth.....	KDAW	300, 600.....	PG-X	do.....	Do.
City of Freeport.....	KESV	300, 450, 600.....	PG-X	do.....	Do.
City of Honolulu.....	KUSD	300, 450, 600.....	PG-N	do.....	Do.
City of Joliet.....	KUJR	300, 600.....	PG-X	do.....	Do.
City of Lordsburg.....	KUTK	300, 600.....	PG-X	do.....	Do.
City of Los Angeles.....	KOZC	300, 450, 600, 1800.....	PG-N	do.....	Do.
City of Lowell.....	KXB	300, 530, 600.....	PG-X	New England S. S. Co.....	I. W. T. Co.
City of Miami.....	WDI	300, 600.....	PG-N	Havana-American S. S. Corp.....	S. O. R. S.
City of Montgomery.....	KFY	300, 450, 600.....	PG-N	Ocean S. S. Co.....	R. C. of A.
City of Omaha.....	KOZB	300, 600.....	PG-X	U. S. S. B.....	Do.
City of Para.....	WWF	300, 600.....	PG-N	Pacific Mail S. S. Co.....	F. T. Co.
City of Puebla.....	WGQ	300, 600.....	PG-N	City of Puebla Corp.....	Do.
City of Rayville.....	KDGS	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
City of Reno.....	KUSK	300, 450, 600.....	PG-X	do.....	Do.
City of Rockland.....	KRI	300, 600.....	PG-X	Eastern S. S. Lines.....	R. C. of A.
City of Rome.....	KQZ	300, 450, 600.....	PG-N	Ocean S. S. Co.....	Do.
City of Savannah.....	KFK	300, 450, 600.....	PG-N	do.....	Do.
City of Seattle.....	WGA	300, 600.....	PG-N	Pacific S. S. Co.....	Do.
City of Sherman.....	KUCS	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
City of Spokane.....	KILL	300, 600.....	PG-X	do.....	Do.
City of St. Ignace.....	WEBG	300, 450, 600.....	PG-X	Detroit & Cleve. Nav. Co.....	I. W. T. Co.
City of St. Joseph.....	KOSM	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
City of St. Louis.....	KFX	300, 450, 600.....	PG-N	Ocean S. S. Co.....	Owner of vessel.
City of Sydney.....	KKEI	300, 600.....	PG-X	L. A. Pederson.....	Do.
City of Taunton.....	KXL	300, 550, 600.....	PG-N	New England S. S. Co.....	Do.
City of Vernon.....	KUNS	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
City of Weatherford.....	KUVC	300, 450, 600.....	PG-X	do.....	Do.
Clairston.....	KJKR	300, 600.....	PG-X	do.....	I. W. T. Co.
Clare.....	KNE	300, 600.....	PG-X	A. H. Bull S. S. Co.....	Owner of vessel.
Clairemont.....	KUBD	300, 600.....	PG-X	Hart-Wood Lumber Co.....	R. C. of A.
Clark Mills.....	KOCQ	300, 600.....	PG-X	U. S. S. B.....	Do.
Clausens.....	KOQB	300, 450, 600.....	PG-X	Green Star S. S. Corp.....	Do.
Clavarack.....	KOLL	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Clearwater.....	KUGD	300, 600.....	PG-X	do.....	Do.
Clemence C. Morse.....	KUGG	300, 600.....	PG-X	do.....	Do.
Clemens A. Reiss.....	WNH	300, 600.....	PG-X	Reiss S. S. Co.....	Do.
Clement Smith.....	KDGO	300, 600.....	PG-X	Oil Transport Co.....	Do.
Cletus Schneider.....	KMEO	300, 600.....	PG-X	Paisley S. S. Co.....	Owner of vessel.
Clifford F. Moll.....	KDWA	300, 600.....	PG-X	American S. S. Co.....	Do.
Cliffwood.....	KORX	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Clincho.....	KENX	300, 600.....	PG-X	Clinchfield Nav. Co.....	Do.
Clontarf.....	KUDP	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Coahoma County.....	KOMP	300, 600.....	PG-X	do.....	S. O. R. S.
Coalinga.....	WOT	300, 600, 1800.....	PG-X	Union S. S. Co.....	F. T. Co.
Coamo.....	KGA	300, 450, 600.....	PG-N	N. Y. & Porto Rico S. S. Co.....	I. W. T. Co.
Coastwise.....	KUZ	300, 450, 600.....	PG-X	Coastwise Transpn. Co.....	R. C. of A.
Coaxet.....	WPUU	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Cockaponset.....	KOFN	300, 600.....	PG-X	do.....	S. O. R. S.
Cody.....	KDEX	300, 450, 600.....	PG-X	do.....	R. C. of A.
Coeffleda.....	KOVV	300, 600.....	PG-X	do.....	I. W. T. Co.
Coeur d'Alene.....	KOVT	300, 450, 600.....	PG-X	do.....	Do.
Cohasset.....	WJUL	300, 600.....	PG-X	do.....	R. C. of A.
Cokato.....	WMUE	300, 600.....	PG-X	do.....	I. W. T. Co.
Cokesit.....	WQUA	300, 450, 600.....	PG-X	do.....	Do.
Coldbrook.....	KOQK	300, 450, 600.....	PG-X	do.....	R. C. of A.
Cold Harbor.....	KUBB	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Cold Spring.....	KIQQ	300, 450, 600.....	PG-X	do.....	R. C. of A.
Coldwater.....	KUCX	300, 600.....	PG-X	do.....	I. W. T. Co.
Col. E. L. Drake.....	WTS	300, 450, 600.....	PG-X	Standard Oil Co. of Calif.....	Do.
Colin H. Livingstone.....	KDIN	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Collamer.....	KOZZ	300, 600.....	PG-X	do.....	R. C. of A.
Collingsworth.....	KUKX	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Colombia.....	WBH	300, 600, 1800.....	PG-N	Pacific Mail S. S. Co.....	Do.
Colon.....	KMX	300, 450, 600.....	PG-N	Panama R. R. Co.....	S. O. R. S.
Colonial.....	KDTK	300, 600.....	PG-X	Western Reserve Transpn. Co.....	R. C. of A.
Colorado Springs.....	KILK	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Colthrops.....	KUMR	300, 450, 600.....	PG-X	do.....	Do.
Columbia.....	WHC	300, 450, 600.....	PG-X	New Orleans & S. Am. S. S. Co.....	Owner of vessel.
Colusa.....	WIN	300, 600.....	PG-X	Grace S. S. Co.....	R. C. of A.
Comal.....	KEM	300, 600.....	PG-N	Mallory S. S. Co.....	I. W. T. Co.
Comanche.....	KVC	300, 600.....	PG-N	Clyde S. S. Co.....	Do.
Comet.....	KTJ	300, 450, 600.....	PG-X	Standard Oil Co. of N. Y.....	R. C. of A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Commack.....	KULT	300, 450, 600..	PG-X	U. S. S. B.	I. W. T. Co.
Commissioner.....	KOGZ	300, 600.....	PG-X	Merritt & Chapman Derrick & Wrecking Co.	
Commonwealth.....	KXC	300, 450, 550, 600	PG-X	New England S. S. Co. ....	Do.
Comus.....	KKD	300, 600.....	PG-N	Southern Pacific Co. ....	Owner of vessel.
Concho.....	KEC	300, 600.....	PG-N	Mallory S. S. Co. ....	I. W. T. Co.
Concord.....	KNC	300, 550, 600..	PG-N	Colonial Navigation Co. ....	R. C. of A.
Conehatta.....	KUQQ	300, 450, 600..	PG-X	U. S. S. B. ....	Do.
Conejos.....	KUKT	300, 450, 600..	PG-X	do. ....	Do.
Conneaut.....	WCU	300, 600.....	PG-X	Gulf Refining Co. ....	Do.
Connerville.....	WKOO	300, 600.....	PG-X	U. S. S. B. ....	Do.
Conness Peak.....	KUPL	300, 450, 600..	PG-X	do. ....	Do.
Conton.....	WVAO	300, 600.....	PG-X	do. ....	I. W. T. Co.
Consort.....	KDOI	300, 450, 600..	PG-X	do. ....	
Continental Bridge.....	KOCP	300, 600.....	PG-X	do. ....	
Contoocook.....	WVAU	300, 600.....	PG-X	do. ....	
Cook.....	KOFX	300, 450, 600..	PG-X	do. ....	S. O. R. S.
Coolcha.....	KOPS	300, 600.....	PG-X	Ocean Motorship Co. ....	
Coosa.....	WLF	300, 450, 600..	PG-X	U. S. S. B. ....	
Copalgrove.....	KEFJ	300, 600.....	PG-X	do. ....	
Coperas.....	WTUE	300, 600.....	PG-X	do. ....	
Coppename.....	KDF	300, 600.....	PG-N	United Fruit Co. ....	T. R. T. Co.
Coquina.....	WVAA	300, 600.....	PG-X	U. S. S. B. ....	
Coquilt.....	KOFZ	300, 600.....	PG-X	do. ....	
Cora F. Cressy.....	KSZ	300, 450, 600..	PG-X	A. W. Frost. ....	
Corapeak.....	WVAE	300, 600.....	PG-X	U. S. S. B. ....	
Corcoran.....	WVAI	300, 600.....	PG-X	do. ....	
Cordova.....	WAR	300, 550, 600..	PG-X	Alaska S. S. Co. ....	S. O. R. S.
Cornelia.....	KZD	300, 600.....	PG-X	Bull-Insular S. S. Co. ....	I. W. T. Co.
Corning.....	KIH	300, 450, 600..	PG-X	Standard Oil Co. of N. J. ....	R. C. of A.
Cornucopia.....	WNII	300, 600.....	PG-X	U. S. S. B. ....	
Coronado.....	WFZ	300, 450, 600..	PG-X	do. ....	
Corrales.....	WPIE	300, 600.....	PG-X	do. ....	S. O. R. S.
Corsair.....	KYC	300, 450, 600..	PG-X	J. P. Morgan. ....	Owner of vessel.
Corsicana.....	WPII	300, 600.....	PG-X	U. S. S. B. ....	
Corson.....	KIQV	300, 450, 600..	PG-X	do. ....	R. C. of A.
Corvus.....	KOPL	300, 450, 600..	PG-X	Green Star S. S. Corp. ....	
Coskata.....	KOMZ	300, 450, 600..	PG-X	U. S. S. B. ....	
Costa Rica.....	WQI	300, 600.....	PG-X	L. A. Pedersen. ....	
Costigan.....	KINF	300, 600.....	PG-X	U. S. S. B. ....	
Costilla.....	WMEA	300, 600.....	PG-X	do. ....	Owner of vessel.
Cotati.....	KIQF	300, 600.....	PG-X	do. ....	
Cote Blanche.....	WMEI	300, 600.....	PG-X	do. ....	
Cotopaxi.....	WMEI	300, 600.....	PG-X	Clinchfield Navigation Co. ....	R. C. of A.
Cottonplant.....	WMEO	300, 600.....	PG-X	Pacific States Lumber Co. ....	
Cottonwood.....	WMEU	300, 600.....	PG-X	U. S. S. B. ....	
Coulee.....	WTOU	300, 450, 600..	PG-X	do. ....	
Couparie.....	WVOE	300, 600.....	PG-X	do. ....	
Courageous.....	WVUA	300, 600.....	PG-X	do. ....	
Courtois.....	WVOI	300, 600.....	PG-X	do. ....	
Coushatta.....	WVOO	300, 600.....	PG-X	do. ....	
Coutolene.....	WVOU	300, 600.....	PG-X	do. ....	
Covalt.....	KEMM	300, 600.....	PG-X	do. ....	
Covedale.....	KEMN	300, 450, 600..	PG-X	do. ....	
Covena.....	KEMP	300, 450, 600..	PG-X	do. ....	
Coverun.....	KENM	300, 600.....	PG-X	Fred J. Gauntlett. ....	
Cowan.....	KENN	300, 600.....	PG-X	U. S. S. B. ....	
Cowanshannock.....	WMAE	300, 450, 600..	PG-X	do. ....	
Cowboy.....	WMAI	300, 450, 600..	PG-X	Fred J. Gauntlett. ....	S. O. R. S.
Cowee.....	WMAO	300, 450, 600..	PG-X	Calif. & Oreg. Lumber Co. ....	
Cowiche.....	WXOA	300, 450, 600..	PG-X	M. J. Dady Eng. & Cont. Co. ....	
Craftsman.....	KIBR	300, 600.....	PG-X	Morton Salt Co. ....	
Craigsmere.....	WXOO	300, 450, 600..	PG-X	U. S. Shipping Board. ....	
Craincreek.....	WNAA	300, 600.....	PG-X	Pan-Amer. Pet. & Trans. Co. ....	R. C. of A.
CramptonAnderson.....	KDOH	300, 450, 600..	PG-X	U. S. S. B. ....	
Cranenest.....	WNAE	300, 450, 600..	PG-X	do. ....	
Cranford.....	KOLX	300, 600.....	PG-X	U. S. Steel Products Co. ....	I. W. T. Co.
Craster Hall.....	KLK	300, 600.....	PG-X	U. S. S. B. ....	R. C. of A.
Crathorne.....	WSOO	300, 600.....	PG-X	do. ....	
Crawl Keys.....	WDEI	300, 600.....	PG-X	do. ....	
Craycroft.....	WNAI	300, 600.....	PG-X	Southern Pacific Co. ....	Owner of vessel.
Creole.....	KKR	300, 600.....	PG-N	Merchants & Miners Trans. Co. ....	I. W. T. Co.
Cretan.....	KQC	300, 450, 600..	PG-N	Fred Linderman. ....	S. O. R. S.
Cricket.....	WSEI	300, 450, 600..	PG-X	do. ....	Do.
Cripple Creek.....	KOJL	300, 376, 600..	PG-X	U. S. S. B. ....	
Crisfield.....	KOKP	300, 600.....	PG-X	do. ....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Cristina.....	KUZB	300, 450, 600.....	PG-X	Vincent Astor.....	
Cristobal.....	KMD	300, 450, 600.....	PG-N	Panama R. R. Co.....	Owner of vessel.
Crofton Hall.....	KLR	300, 450, 600.....	PG-N	U. S. Steel Products Co.....	R. C. of A.
Cross Keys.....	KOTD	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Crown City.....	KUSP	300, 450, 600.....	PG-X	do.....	R. C. of A.
Crondoll.....	KUQD	300, 600.....	PG-X	Pan-Amer. Pet. & Trans. Co.....	I. W. T. Co.
Cuba.....	KDLK	300, 450, 600.....	PG-N	Steamship Cuba, Inc.....	R. C. of A.
Cuba.....	KDRT	300, 450, 600.....	PG-N	Peninsular & Occidental S. S. Co.....	F. T. Co.
Cuba.....	WQU	300, 600.....	PG-N	Pacific Mail S. S. Co.....	R. C. of A.
Cubore.....	KUPP	300, 450, 600.....	PG-X	Guaranty Trust Co.....	Owner of vessel.
Culberson.....	KDDV	300, 600, 1800.....	PG-X	U. S. S. B.....	R. C. of A.
Culburra.....	KOZR	300, 450, 600.....	PG-X	Ocean Motorship Co.....	S. O. R. S.
Cuprum.....	KDIJ	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Curacao.....	WGK	300, 600.....	PG-N	Pacific S. S. Co.....	I. W. T. Co.
Currier.....	KNU	300, 450, 600.....	PG-X	Gulf Refining Co.....	R. C. of A.
Cushnet.....	KONB	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Cushnoc.....	KIMJ	300, 450, 600.....	PG-X	do.....	
Custodian.....	KIVZ	300, 600.....	PG-X	Pringle Barge Line Co.....	
Cuttynhunk.....	KONC	300, 600.....	PG-X	U. S. S. B.....	
Cuyamaca.....	KUXD	300, 450, 600.....	PG-X	do.....	
Dade County.....	KIJZ	300, 600.....	PG-X	do.....	
Dakotan.....	WKD	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Dallas.....	KEQB	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Damacan.....	KELS	300, 600.....	PG-X	do.....	Owner of vessel.
Dan F. Hanlon.....	KDKU	300, 600.....	PG-X	D. J. Hanlon.....	R. C. of A.
Daniel Kern.....	KDXG	300, 450, 600.....	PG-X	Independent Towing Co.....	
Daniel Webster.....	KOKM	300, 450, 600.....	PG-X	U. S. S. B.....	
Dannedaidek.....	KOPD	300, 450, 600.....	PG-X	do.....	
Danville.....	KOSJ	300, 450, 600.....	PG-X	do.....	
Darden.....	KUPK	300, 600.....	PG-X	U. S. Mex. Oil Corp.....	S. O. R. S.
Darien.....	KULG	300, 600.....	PG-X	Panama Canal.....	Do.
Dartford.....	KDAV	300, 600.....	PG-X	U. S. Mex. Oil Corp.....	Do.
Dauperata.....	KIZJ	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Davenport.....	KUDR	300, 600.....	PG-X	do.....	
Davidson County.....	KINX	300, 600.....	PG-X	do.....	
David McKelvy.....	KDTD	300, 600.....	PG-X	Tidewater Oil Co.....	Do.
Dawn.....	KDHZ	300, 600.....	PG-X	William T. Donnelly.....	
Dawnlite.....	KPP	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Daylite.....	KPR	300, 450, 600.....	PG-X	do.....	Do.
Dean Emery.....	KOFG	300, 450, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.....	Do.
De Bardeleben.....	KIZD	300, 450, 600.....	PG-X	W. G. Coyle & Co.....	Do.
Decatur Bridge.....	KECJ	300, 450, 600.....	PG-X	U. S. S. B.....	
Deepwater.....	KLY	300, 450, 600.....	PG-X	Castner, Curran & Bullitt.....	
Deerfield.....	WTIU	300, 600.....	PG-X	Elder Steel S. S. Co.....	Owner of vessel.
Deer Lodge.....	KIMD	300, 600.....	PG-X	U. S. S. B.....	
Defiance.....	WSEA	300, 600.....	PG-X	do.....	
Delanson.....	KOTX	300, 450, 600.....	PG-X	do.....	
Delavan.....	KIRQ	300, 450, 600.....	PG-X	do.....	
Delaware Sun.....	KDWQ	300, 450, 600.....	PG-X	Sun Co.....	R. C. of A.
Delco.....	KIZB	300, 600.....	PG-X	Delco S. S. Co.....	Moore & McCormack.
Delfina.....	KIVS	300, 600.....	PG-X	U. S. S. B.....	
Delight.....	KQOE	300, 600.....	PG-X	do.....	
Delisle.....	KIVT	300, 450, 600, 1800	PG-X	do.....	
Delivery No. 5.....	KDCK	300, 600.....	PG-X	Standard Oil Co. of N. Y.....	
Delphine.....	KDRR	300, 600.....	PG-X	Horace E. Dodge estate.....	S. O. R. S.
Delrosa.....	KUTG	300, 600.....	PG-X	U. S. S. B.....	
Democracy.....	WAQ	300, 600.....	PG-N	do.....	
Depere.....	KDBA	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Deranof.....	KQIO	300, 600.....	PG-X	do.....	Do.
Derblay.....	KDDT	300, 450, 600.....	PG-X	do.....	Do.
Derbyline.....	KIRT	300, 450, 600.....	PG-X	do.....	R. C. of A.
Deroche.....	KOBJ	300, 600.....	PG-X	do.....	
Des Moines Bridge.....	KUCG	300, 600.....	PG-X	do.....	
Detroit-Wayne.....	KONX	300, 600.....	PG-X	do.....	
Denel.....	KOMD	300, 600.....	PG-X	do.....	
Devolente.....	KIVR	300, 600.....	PG-X	do.....	
Dewey.....	KDNF	300, 450, 600.....	PG-X	Andrew Olson.....	R. C. of A.
Dewey.....	KODT	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
D. F. McAllister.....	KEJT	300, 600.....	PG-X	Daniel F. McAllister.....	Owner of vessel.
D. G. Scofield.....	WRD	300, 450, 600, 1800	PG-X	Standard Oil Co. of Calif.....	R. C. of A.
Diablo.....	KEPD	300, 600.....	PG-X	U. S. S. B.....	Do.
Dillwyn.....	KODX	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Dilworth.....	KOVJ	300, 450, 600.....	PG-X	do.....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by
Dinsmore.....	KDKN	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Dio.....	WNEO	300, 600.....	PG-N	do.....	Do.
Director.....	KIGJ	300, 450, 600.....	PG-X	Northern Transpn. Co.....	Do.
Dirigo.....	KEGM	300, 600.....	PG-X	Texas Co.....	Do.
District of Columbia.....	KDMZ	300, 600, 1800.....	PG-X	U. S. S. B.....	R. C. of A.
Dixiano.....	KDSP	300, 450, 600.....	PG-X	Ain. Sugar Transit Corp.....	Do.
Dixie Arrow.....	KDVT	300, 600.....	PG-X	Standard Transpn. Co.....	S. O. R. S.
Dochet.....	KIMR	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Dochra.....	KGL	300, 450, 600.....	PG-X	La Plata S. S. Co.....	Owner of vessel.
Dolly C.....	KFAL	300, 600.....	PG-X	Cary Davis Tug & Barge Co.....	Do.
Dolphin.....	KDYZ	300, 450, 600.....	PG-X	Mortimer L. Schiff.....	I. W. T. Co.
Donald McKay.....	KULL	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Donna Lane.....	KDGN	300, 600.....	PG-X	Donna Lane Motorship Corp.....	Do.
Dorchester.....	KQD	300, 450, 600.....	PG-N	Merchants & Miners' Trans. Co.....	Owner of vessel.
Dorothy Bradford.....	KNA	300, 600.....	PR-X	Cape Cod S. S. Co.....	S. O. R. S.
Doylestown.....	KIPG	300, 600.....	PG-X	U. S. S. B.....	Do.
Dryden.....	KORK	300, 600, 1800.....	PG-X	do.....	R. C. of A.
Dulcino.....	KTV	300, 450, 600.....	PG-X	Ain. Sugar Transit Corp.....	Do.
Dungannon.....	KUZV	300, 450, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Dunsyre.....	KUMF	300, 600.....	PG-X	James Botts.....	Do.
Duquesne.....	KECS	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Durango.....	KDBT	300, 600.....	PG-X	do.....	Do.
Durham.....	KDNL	300, 450, 600.....	PG-X	France & Canada Oil Transport Co.....	Owner of vessel.
Eagle.....	KDBF	300, 600.....	PG-X	William K. Vanderbilt, jr.....	R. C. of A.
Eagle.....	KIR	300, 450, 600.....	PG-X	Standard Transpn. Co.....	Do.
E. A. Morse.....	KOVN	300, 600.....	PG-X	U. S. S. B.....	Do.
East Cape.....	KENC	300, 450, 600.....	PG-X	do.....	Do.
East Chicago.....	KUKD	300, 600.....	PG-X	do.....	Do.
Easterling.....	KEJD	300, 600.....	PG-X	do.....	Do.
Eastern Admiral.....	KURM	300, 600.....	PG-N	do.....	Do.
Eastern Belle.....	KUJT	300, 600.....	PG-X	do.....	Do.
Eastern Breeze.....	KOPP	300, 600.....	PG-X	do.....	Do.
Eastern Chief.....	KSEI	300, 600.....	PG-X	do.....	Do.
Eastern Cloud.....	KUSQ	300, 600, 1800.....	PG-X	Garland S. S. Corp.....	S. O. R. S.
Eastern Coast.....	KURX	300, 600.....	PG-X	U. S. S. B.....	Do.
Eastern Crag.....	KUVJ	300, 450, 600.....	PG-X	do.....	Do.
Eastern Cross.....	WKIU	300, 450, 600.....	PG-X	do.....	Do.
Eastern Crown.....	KUNQ	300, 600.....	PG-N	do.....	R. C. of A.
Eastern Dawn.....	KUQT	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Easterner.....	WGEA	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Eastern Exporter.....	KDAZ	300, 600.....	PG-X	do.....	Do.
Eastern Gale.....	KUDZ	300, 600.....	PG-X	do.....	S. O. R. S.
Eastern Glade.....	KUND	300, 600, 1800.....	PG-X	do.....	I. W. T. Co.
Eastern Glen.....	KUVB	300, 450, 600.....	PG-N	do.....	Do.
Eastern Guide.....	KUCN	300, 450, 600.....	PG-X	do.....	Do.
Eastern Importer.....	KDBY	300, 450, 600.....	PG-X	do.....	Do.
Eastern King.....	WFEA	300, 600.....	PG-X	do.....	Do.
Eastern Knight.....	KUFB	300, 450, 600.....	PG-X	do.....	Do.
Eastern Leader.....	KDHY	300, 600.....	PG-X	do.....	Do.
Eastern Light.....	WKII	300, 600.....	PG-N	do.....	I. W. T. Co.
Eastern Maid.....	KUTF	300, 450, 600.....	PG-X	do.....	Do.
Eastern Mariner.....	KUGB	300, 450, 600.....	PG-X	do.....	Do.
Eastern Merchant.....	KUKS	300, 450, 600.....	PG-N	do.....	Do.
Eastern Moon.....	KUDX	300, 450, 600.....	PG-X	do.....	Do.
Eastern Ocean.....	KUNF	300, 600.....	PG-X	do.....	Do.
Eastern Pilot.....	KULJ	300, 450, 600.....	PG-X	do.....	R. C. of A.
Eastern Planet.....	KUPD	300, 450, 600.....	PG-N	do.....	S. O. R. S.
Eastern Queen.....	KXUE	300, 600.....	PG-N	do.....	I. W. T. Co.
Eastern Sailor.....	KUZT	300, 600.....	PG-X	do.....	S. O. R. S.
Eastern Sea.....	KTEA	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Eastern Shore.....	WKIO	300, 600.....	PG-N	do.....	S. O. R. S.
Eastern Star.....	KTAU	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Eastern States.....	WEE	300, 600.....	PG-N	Detroit & Cleve. Nav. Co.....	R. C. of A.
Eastern Sun.....	KTIE	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Eastern Sword.....	KDKB	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Eastern Tempest.....	KUVG	300, 450, 600.....	PG-X	do.....	R. C. of A.
Eastern Temple.....	KDEZ	300, 450, 600.....	PG-X	do.....	Do.
Eastern Trader.....	KULK	300, 450, 600.....	PG-N	do.....	Do.
Eastern Victor.....	KUNR	300, 450, 600.....	PG-X	do.....	Do.
East Hampton.....	KDFZ	300, 450, 600.....	PR-X	C. E. Davis Packing Co.....	Do.
East Indian.....	WGEI	300, 600.....	PG-N	U. S. S. B.....	I. W. T. Co.
Eastport.....	WCIE	300, 450, 600.....	PG-X	do.....	Do.
East Side.....	KIMQ	300, 450, 600.....	PG-X	do.....	S. O. R. S.
East Wind.....	KEKB	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Eclipse.....	KEGF	300, 600.....	PG-X	do.....	F. T. Co.
E. C. Pope.....	WZAU	300, 600.....	PG-X	Inter-Coast S. S. Co.....	I. W. T. Co.
Ecuador.....	WBN	300, 600, 1800.....	PG-X	Pacific Mail S. S. Co.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Edellyn.....	KIJL	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Edenton.....	KECB	300, 450, 530, 600.....	PG-X	do.....	
Edgar F. Coney.....	KDHD	300, 600.....	PG-X	Philip Shore.....	
Edgar F. Luckenbach.....	KGK	300, 450, 530, 600.....	PG-X	Luckenbach Co.....	Do.
Edgefield.....	KEBF	300, 600.....	PG-N	U. S. S. B.....	I. T. W. Co.
Edgehill.....	KETN	300, 450, 600.....	PG-X	do.....	R. C. of A.
Edgemoor.....	KEVF	300, 600.....	PG-X	do.....	
Edgemont.....	KETP	300, 600.....	PG-X	do.....	
Edit.....	KZF	300, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Editor.....	KOBG	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Edmore.....	KILJ	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Edna Christenson.....	WSJ	300, 450, 600.....	PG-X	Western Merchantile Marine Corp.....	R. C. of A.
Edris.....	KDBG	300, 600.....	PG-X	Thomas H. Ince.....	Owner of vessel.
Edw. L. Doheny.....	WIE	300, 450, 600.....	PG-X	Pan-Am. Petr. & Trans. Co.....	R. C. of A.
Edward L. Doheny, junior.....	WIJ	300, 450, 600.....	PG-X	do.....	Do.
Edward Luckenbach.....	KGQ	300, 450, 525, 600.....	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Edward Pierce.....	KMOU	300, 600.....	PG-X	Crowell & Thurlow S. S. Co.....	Owner of vessel.
Eelbeck.....	KINQ	300, 600.....	PG-X	U. S. S. B.....	
Effingham.....	KOLT	300, 450, 600.....	PG-X	do.....	R. C. of A.
Eifnia.....	KOMT	300, 600.....	PG-X	do.....	Do.
Egeria.....	KDCJ	300, 600.....	PG-X	Coast S. B. Co.....	S. O. R. S.
Eglantine.....	KOPT	300, 600.....	PG-X	U. S. S. B.....	
Egremont.....	KOQS	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
E. J. Earling.....	WEI	300, 600.....	PG-X	Franklin S. S. Co.....	R. C. of A.
El Alba.....	KKL	300, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
El Almirante.....	KKG	300, 450, 600.....	PG-X	do.....	Do.
El Capitan.....	KKH	300, 450, 600.....	PG-X	do.....	Do.
El Capitan.....	WNB	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
El Cid.....	KRT	300, 450, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Eldena.....	KEVG	300, 600.....	PG-X	U. S. S. B.....	
El Dia.....	KKY	300, 450, 600.....	PG-N	Southern Pacific Co.....	Do.
E. L. Doheny, Third.....	WROO	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Eldorado.....	KMOI	300, 450, 600.....	PG-X	Western Transport Co.....	
Eldridge.....	KICN	300, 450, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
El Estero.....	KDKT	300, 600.....	PG-X	Southern Pacific Co.....	S. O. R. S.
Elfay.....	KOVQ	300, 450, 600.....	PG-X	Russell A. Alger.....	
Elinor.....	KVR	300, 600.....	PG-X	U. S. S. B.....	
Elisha Walker.....	KDGQ	300, 600.....	PG-X	Pan-Am. Petr. & Trans. Co.....	R. C. of A.
El Isleo.....	KDNA	300, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Elizabeth.....	KORC	300, 600.....	PG-X	A. H. Bull S. S. Co.....	
Elkhorn.....	KOCL	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Elkridge.....	KISG	300, 600.....	PG-X	do.....	
Elkton.....	KOFK	300, 600.....	PG-X	do.....	I. W. T. Co.
El Lago.....	KDNW	300, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Elmsport.....	KILF	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
El Mundo.....	KKU	300, 450, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
El Norte.....	KKN	300, 450, 600.....	PG-X	do.....	Do.
El Occidente.....	KKX	300, 600.....	PG-N	do.....	Do.
El Oriente.....	KKV	300, 450, 600.....	PG-X	do.....	Do.
E. L. Pierce.....	KDXL	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. of A.
El Rio.....	KKZ	300, 450, 600.....	PG-N	Southern Pacific Co.....	Owner of vessel.
El Segundo.....	WTQ	300, 600.....	PG-X	Standard Oil Co. of Calif.....	R. C. of A.
El Siglo.....	KKS	300, 450, 600.....	PG-N	Southern Pacific Co.....	Owner of vessel.
El Sol.....	KKB	300, 600.....	PG-X	do.....	Do.
El Sud.....	KKQ	300, 450, 600.....	PG-X	do.....	Do.
El Valle.....	KKW	300, 450, 600.....	PG-X	do.....	Do.
Emergency Aid.....	KDKD	300, 600, 1800.....	PG-X	U. S. S. B.....	S. O. R. S.
Empire Arrow.....	KDUG	300, 600.....	PG-X	Standard Transpn. Co.....	R. C. of A.
Endicott.....	KODN	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Englewood.....	WGAA	300, 600.....	PG-X	do.....	
Ensley City.....	KUZS	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	R. C. of A.
Enterprise.....	WMN	300, 450, 600.....	PG-N	Matson Navigation Co.....	Do.
Eocene.....	KTM	300, 600.....	PG-X	Standard Oil Co. of N. Y.....	
Epitacio Pessoa.....	KOCC	300, 600.....	PG-X	U. S. S. B.....	
Equator.....	KDWI	300, 450, 600.....	PG-X	Cary Davis Tug & Barge Co.....	Owner of vessel.
E. R. Kemp.....	KDQD	300, 600.....	PG-X	Stinclair Navigation Co.....	R. C. of A.
Ernest H. Meyer.....	WMJ	300, 600.....	PG-X	Broughton & Wiggins Nav. Co.....	Owner of vessel.
E. R. Sterling.....	WIS	300, 565, 600.....	PG-X	Sterling Ship Co.....	Do.
Escambia.....	KOGK	300, 600.....	PG-X	U. S. S. B.....	
Esparta.....	KDO	300, 450, 600.....	PG-X	United Fruit S. S. Co.....	T. R. T. Co.
Esperanza.....	KWZ	300, 450, 600.....	PG-N	New York & Cuba Mail S. S. Co.....	I. W. T. Co.
Essex.....	KQE	300, 450, 600.....	PG-N	Merchants & Miners Trans. Co.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Estrada Palma.....	KDMG	300, 600.....	PG-X	Florida E. Coast Car Ferry Co.	R. C. of A.
E. T. Bedford.....	KDSB	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Ethan Allen.....	KUQJ	300, 600, 1800.....	PG-N	U. S. S. B.....	Do.
Eugene V. R. Thayer.....	KDMA	300, 600.....	PG-X	Sinclair Navigation Co.....	Do.
Eurana.....	KJG	300, 450, 600.....	PG-X	Green Star S. S. Corp.....	Do.
Evansville.....	KIKT	300, 600.....	PG-N	U. S. S. B.....	I. W. T. Co.
Evelyn.....	KZP	300, 450, 600.....	PG-X	A. H. Bull S. S. Co.....	Owner of vessel.
Everett.....	KUQR	300, 600.....	PG-X	Chas. R. McCormick & Co.....	R. C. of A.
Everett.....	KZT	300, 450, 600.....	PG-X	N. Eng. Fuel & Trans. Co.....	I. W. T. Co.
Everglades.....	WQEE	300, 600.....	PG-X	U. S. S. B.....	Do.
Evergreen City.....	KUNJ	300, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Excelsior.....	KKO	300, 600.....	PG-N	Sinclair Navigation Co.....	R. C. of A.
E. W. Sinclair.....	KDRN	300, 600.....	PG-X	U. S. S. B.....	Do.
Explorer.....	KIVN	300, 600.....	PG-X	U. S. Steel Products Co.....	Owner of vessel.
Fairfield City.....	KDPY	300, 450, 600.....	PG-X	Oriental Navigation Corp.....	Do.
Fair Oaks.....	WSM	300, 600.....	PG-X	Irving E. Raymond.....	S. O. R. S.
Faith.....	KDVG	300, 600.....	PG-X	U. S. S. B.....	Do.
Faraby.....	KEJV	300, 450, 600.....	PG-X	do.....	Do.
Fargo.....	KONL	300, 600.....	PG-X	do.....	Do.
Farnam.....	KQIE	300, 600.....	PG-X	Panama Canal.....	Owner of vessel.
Favorite.....	KDNY	300, 600.....	PG-X	Great Lakes Towing Co.....	R. C. of A.
Favorite.....	KIFG	300, 600.....	PG-X	U. S. S. B.....	Do.
Favorite.....	WCF	300, 600.....	PG-X	Harvey H. Brown & Co.....	Do.
Fayette Brown.....	WQG	300, 600.....	PG-X	Jenkins S. S. Co.....	Do.
F. B. Squire.....	WFU	300, 600.....	PG-X	City of Baltimore.....	Owner of vessel.
F. C. Latrobe.....	KDOL	300, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
F. D. Asche.....	KSUA	300, 600.....	PG-X	Ship Owners & Merchants Tug-boat Co.....	Owner of vessel.
Fearless.....	KDRA	300, 600.....	PG-X	American Petroleum Co.....	Do.
Federal.....	KDWY	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Federal.....	WDOO	300, 450, 600.....	PG-X	do.....	Owner of vessel.
Federal Bridge.....	KOCN	300, 450, 600.....	PG-X	Crowell & Thurlow S. S. Co.....	R. C. of A.
Felix Tausig.....	KXZ	300, 600.....	PG-X	Guaranty Trust Co.....	Do.
Feltore.....	KFG	300, 600.....	PG-X	Standard Oil Co.....	International Mercantile Marine Co.....
F. H. Hillman.....	KDVK	300, 600.....	PG-X	Frank J. Kelly.....	I. W. T. Co.
Fidus.....	KDXB	300, 450, 600.....	PG-X	Guaranty Trust Co.....	R. C. of A.
Finland.....	KSF	300, 450, 600.....	PG-N	U. S. S. B.....	S. O. R. S.
Firmore.....	KDX	300, 450, 600.....	PG-X	do.....	Do.
Firthcliffe.....	KITF	300, 600.....	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Fishkill.....	KULF	300, 600.....	PG-X	do.....	Do.
F. J. Luckenbach.....	WNZ	300, 450, 600.....	PG-X	Oliver J. Olson.....	Owner of vessel.
Florence Luckenbach.....	WNM	300, 450, 600.....	PG-X	Goodrich Transit Co.....	R. C. of A.
Florence Olson.....	WPK	300, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Florida.....	WJJ	300, 600.....	PG-X	do.....	Do.
Floridian.....	WLR	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Fluor Spar.....	KIQX	300, 450, 600.....	PG-X	American-Mediterranean S. S. Co.....	Do.
Fordonian.....	KRU	300, 600.....	PG-X	Forest King Co.....	S. O. R. S.
Forest King.....	KDBH	300, 425, 600.....	PG-X	Forest King Co.....	Do.
Fort Armstrong.....	KUKF	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Fort Bragg.....	WLH	300, 600.....	PG-X	Charles H. Higgins.....	Do.
Fort George.....	KDJB	300, 600.....	PG-X	U. S. S. B.....	Do.
Fort McHenry.....	KDXA	300, 600.....	PG-X	do.....	Do.
Fort Pitt Bridge.....	KWBT	300, 450, 600.....	PG-X	do.....	Do.
Fort Seward.....	KEJV	300, 450, 600.....	PG-X	do.....	Do.
Fortuna.....	KDWU	300, 450, 600.....	PR-X	Richmond Talbot.....	Owner of vessel.
Fort Wayne.....	WDOU	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Fort Worth.....	KLD	300, 600.....	PG-X	do.....	Do.
Fourth Alabama.....	KIXJ	300, 600.....	PG-X	do.....	Do.
F. Q. Barstow.....	KNQ	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Frank Billings.....	KDXM	300, 600.....	PG-X	Pioneer S. S. Co.....	Do.
Frank G. Drum.....	KDQZ	300, 600.....	PG-X	Associated Oil Co.....	Owner of vessel.
Frank H. Buck.....	WTO	300, 600, 1800.....	PG-X	do.....	F. T. Co.
Franklin.....	KDPK	300, 450, 600.....	PG-X	Galena Navigation Co.....	R. C. of A.
Franklin County.....	KOTV	300, 600.....	PG-X	U. S. S. B.....	Do.
Franklin K. Lane.....	KDLH	300, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.....	Owner of vessel.
Fred Baxter.....	WOG	300, 600.....	PG-X	Fred Baxter S. S. Co.....	R. C. of A.
Frederic Ewing.....	WNQ	300, 450, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.....	Do.
Frederic R. Kellogg.....	WIQ	300, 450, 600.....	PG-X	do.....	Do.
Fred W. Weller.....	KNY	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Freedom.....	KFW	300, 600.....	PG-N	U. S. S. B.....	Do.
Freeman.....	WMM	300, 600.....	PG-X	Pocahontas Fuel Co.....	Do.
Freeport Sulphur No. 1.....	KHA	300, 450, 600.....	PG-X	Freeport Sulphur Trans. Co.....	Do.
Freeport Sulphur No. 2.....	KRG	300, 450, 600.....	PG-X	do.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Freeport Sulphur No. 5.	KUMK	300, 450, 600...	PG-X	Freeport Sulphur Trans. Co...	R. C. of A.
Freeport Sulphur No. 6.	KUNP	300, 450, 600...	PG-X	.....do.....	Do.
Fresno.	KTIO	300, 600...	PG-N	U. S. S. B.	Do.
F. R. Hazard.	KDXK	300, 600...	PG-X	Pioneer S. S. Co.	S. O. R. S.
Frieda.	KFF	300, 450, 600...	PG-X	Union Sulphur Co.	R. C. of A.
Fueloil.	KUQB	300, 600...	PG-X	Pan-Amer. Petr. & Trans. Co.	S. O. R. S.
Gaffney.	KICR	300, 450, 600...	PG-X	U. S. S. B.	I. W. T. Co.
Galahad.	KEQR	300, 600...	PG-X	.....do.....	Do.
Galesburg.	WGAE	300, 600...	PG-N	.....do.....	R. C. of A.
Galveston.	KDQE	300, 450, 600...	PG-X	.....do.....	Do.
Garfield.	WQOE	300, 600...	PG-X	Grace S. S. Co.	Pioneer S. S. Co.
Gargoyle.	KDPE	300, 600...	PG-X	Vacuum Oil Co.	.....do.....
Garibaldi.	KRCU	300, 600...	PG-X	U. S. S. B.	Do.
Gateway City.	KDFD	300, 450, 600...	PG-X	.....do.....	Do.
G. A. Tomlinson.	KDXJ	300, 600...	PG-X	Pioneer S. S. Co.	Do.
Gdansk.	WJH	300, 450, 600...	PG-N	Walter A. Rush, c/o Manhattan Co.	Do.
Gene Crawley.	KQF	300, 450, 600...	PG-X	Sinclair Gulf Corp.	Do.
General G. W. Goethals.	KMZ	300, 600...	PG-N	Panama R. R. Co.	S. O. R. S.
General H. F. Hodges.	KPG	300, 600...	PG-N	.....do.....	Owner of vessel.
General O. H. Ernst.	KPF	300, 600...	PG-N	.....do.....	S. O. R. S.
General W. C. Gorgas.	KIP	300, 600...	PG-N	.....do.....	Owner of vessel.
Genesee.	KIDL	300, 450, 600...	PG-X	Arthur L. Crowley.	Do.
Geo. H. Jones.	KIPS	300, 600...	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Geo. L. Harvey.	KDET	300, 450, 600...	PG-X	Joseph Kildall.	Do.
George B. Mackenzie.	KUNT	300, 450, 600...	PG-X	American Bauxite Co.	.....do.....
George C. Greer.	KOQL	300, 450, 600...	PG-X	Magnolia Petroleum Co.	Owner of vessel.
George E. Weed.	KDIM	300, 600, 1800...	PG-X	U. S. S. B.	S. O. R. S.
George G. Henry.	WIT	300, 450, 600...	PG-X	Pan-Amer. Petr. & Trans. Co.	R. C. of A.
George Pierce.	KDLT	300, 600, 1800...	PG-X	U. S. S. B.	S. O. R. S.
George Washington.	KDCL	300, 450, 600...	PG-N	.....do.....	Do.
George W. Barnes.	KMUI	300, 600...	PG-X	Pan-Amer. Petr. & Trans. Co.	R. C. of A.
Georgia.	KUR	300, 600...	PG-X	Texas Co.	I. W. T. Co.
Georgia.	WFA	300, 600...	PG-X	Crosby Transportation Co.	United Am. Lines.
Georgian.	KOVP	300, 450, 600...	PG-X	American-Hawaiian S. S. Co.	Owner of vessel.
Georgian Ralph.	KETX	300, 600...	PR-X	Ralph Nav. & Coal Co.	I. W. T. Co.
Gertrude.	KDVC	300, 600...	PG-X	Sabine Towing Co.	Do.
Gladysbe.	KDEV	300, 450, 600...	PG-X	U. S. Mex. Oil Corp.	S. O. R. S.
Glendarnel.	WDF	300, 450, 600...	PG-X	Charlton B. Hibbard.	I. W. T. Co.
Glendola.	KFAI	300, 450, 600...	PG-X	Glendola S. S. Corp.	Do.
Glendoyle.	KFAO	300, 600...	PG-X	Glendoyle S. S. Corp.	R. C. of A.
Glenpool.	KOH	300, 450, 600...	PG-X	Standard Oil Co. of N. J.	I. W. T. Co.
Glen Ridge.	KIRZ	300, 600...	PG-X	U. S. S. B.	Do.
Glen White.	KSIE	300, 600...	PG-X	Castner, Curran & Bullitt.	Do.
Gloria West.	KDSK	300, 450, 600...	PG-X	H. T. West.	Owner of vessel.
Gloucester.	KQG	300, 450, 600...	PG-N	Merchants & Miners Trans. Co.	I. W. T. Co.
Glymont.	KEXZ	300, 450, 600...	PG-X	U. S. S. B.	R. C. of A.
Glyndon.	KEZQ	300, 450, 600...	PG-X	Glydon S. S. Corp.	Do.
G. N. Wilson.	KDUX	300, 600...	PG-X	American S. S. Co.	Do.
Gold Shell.	WIB	300, 450, 600...	PG-X	Gold Shell S. S. Co.	Do.
Gold Star.	KDPZ	300, 600...	PG-X	.....do.....	Do.
Gonzalis.	KOBQ	300, 600...	PG-X	U. S. S. B.	Do.
Goodspeed.	WKEO	300, 600...	PG-X	.....do.....	I. W. T. Co.
Goree.	WLII	300, 450, 600...	PG-X	.....do.....	Do.
Gorgona.	KDNZ	300, 600...	PG-X	Panama Canal.	Do.
Governor Cobb.	KRB	300, 600...	PG-N	Peninsular & Occidental S. S. Co.	Owner of vessel.
Governor Dingley.	KRV	300, 450, 600...	PG-N	Eastern S. S. Lines.	I. W. T. Co.
Governor John Lind.	WREU	300, 450, 600...	PG-X	U. S. S. B.	Do.
Grand Haven.	KEXR	300, 600...	PG-X	Grand Trunk Car Ferry Line	Do.
Gratia.	KIGP	300, 450, 600...	PG-X	Braddock Navigation Co.	Do.
Grecian.	KQR	300, 450, 600...	PG-N	Merchants & Miners Trans. Co.	Do.
Greenland.	KUPG	300, 600...	PG-X	U. S. S. B.	Do.
Greenwood.	WLL	300, 600...	PG-X	Greenwood S. S. Co.	Do.
Grifco.	KDFN	300, 425, 600...	PG-X	James Griffiths & Sons.	S. O. R. S.
Grifdu.	KDIL	300, 425, 600...	PG-X	Universal S. S. Barge Co.	Do.
G. S. Allyn.	KDZY	300, 450, 600...	PR-X	C. E. Davis Packing Co.	Owner of vessel.
Guantanamo.	KWN	300, 450, 600...	PG-N	N. Y. & Cuba Mail S. S. Co.	I. W. T. Co.
Guardian.	WGZ	300, 600...	P-X	Central & Am. Teleg. Co.	Owner of vessel.
Guardsmen.	KIVX	300, 600...	PG-X	T. A. Scott Co.	Do.
Guarina.	KDZS	300, 600...	PG-X	P. E. Fansler.	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Guaro.....	WJV	300, 600.....	PG-X	U. S. S. B.....	
Guimba.....	WJIE	300, 600.....	PG-N	do.....	Owner of vessel.
Guinevere.....	KDUP	300, 600.....	PR-X	Edgar Palmer.....	I. W. T. Co.
Gulfcoast.....	KUE	300, 600.....	PG-X	Gulf Refining Co.....	Do.
Gulfking.....	KDNQ	300, 600.....	PG-X	do.....	Do.
Gulfland.....	KUD	300, 600.....	PG-X	do.....	Do.
Gulflight.....	KUA	300, 600.....	PG-X	do.....	Do.
Gulfmaid.....	KUB	300, 450, 600.....	PG-X	do.....	R. C. of A.
Gulf of Mexico.....	KUC	300, 450, 600.....	PG-X	do.....	Do.
Gulfoil.....	KTG	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Gulport.....	KREE	300, 600.....	PG-X	Sinclair Navigation Co.....	R. C. of A.
Gulf Prince.....	KDRB	300, 600.....	PG-X	Gulf Refining Co.....	I. W. T. Co.
Gulf Queen.....	KVS	300, 600.....	PG-X	do.....	Do.
Gulfstar.....	KDEB	300, 450, 600.....	PG-X	do.....	Do.
Gulfstream.....	KTB	300, 600.....	PG-X	do.....	Do.
Gulftrade.....	KOVB	300, 600.....	PG-X	do.....	Do.
Gunston Hall.....	KICV	300, 600.....	PG-N	U. S. S. B.....	
Haddon.....	KIRN	300, 450, 600.....	PG-X	do.....	
Hadnot.....	KOGP	300, 600.....	PG-X	do.....	
Hagan.....	KOQC	300, 600.....	PG-X	do.....	
Hazood.....	KOQD	300, 600.....	PG-X	do.....	
Hahatonka.....	KUFP	300, 450, 600.....	PG-X	do.....	
Hahira.....	KUZC	300, 600.....	PG-X	do.....	
Haiti.....	KUFK	300, 450, 600.....	PG-X	do.....	
Halcyon.....	KZL	300, 450, 600.....	P-X	Dutee W. Flint.....	R. C. of A.
Haleakala.....	KORL	300, 450, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Half Moon.....	KUVX	300, 450, 600.....	PG-N	do.....	I. W. T. Co.
Half Moon.....	KDTY	300, 600.....	PG-N	Gordon Woodbury.....	R. C. of A.
Halo.....	KDCP	300, 600, 1800.....	PG-X	U. S. S. B.....	
Halsey.....	KDDR	300, 600.....	PG-X	do.....	S. O. R. S.
Halway.....	KDFQ	300, 600.....	PG-X	do.....	
Hambro.....	KDSH	300, 600, 1800.....	PG-X	do.....	
Hamer.....	KDTN	300, 450, 600, 1800	PG-X	do.....	
Hamilton.....	KFAM	300, 600.....	PG-X	Old Dominion Transpn. Co.....	
Hammac.....	KDTJ	300, 600, 1800.....	PG-X	U. S. S. B.....	Do.
Hampden.....	WXUI	300, 450, 600.....	PG-X	Coastwise Transpn. Corp.....	R. C. of A.
Hampton Roads.....	KESR	300, 600.....	PG-X	U. S. S. B.....	
Hancock County.....	KORT	300, 450, 600.....	PG-X	do.....	
Hanley.....	KDIF	300, 600, 1800.....	PG-X	do.....	
Hannawa.....	KDFR	300, 600, 1800.....	PG-X	do.....	
Hanover.....	KOJK	300, 450, 600.....	PG-X	do.....	
Harold B. Nye.....	KDXS	300, 600.....	PG-X	Pioneer S. S. Co.....	
Harold Walker.....	WIX	300, 450, 600.....	PG-X	Pan-Amer. Pet. & Trans. Co.....	
Harry Franum.....	KQQA	300, 450, 600.....	PG-X	Sinclair Gulf Corp.....	
Harry Luckenbach.....	KIGS	300, 525, 600.....	PG-N	Luckenbach S. S. Co.....	
Harry W. Croft.....	WQF	300, 600.....	PG-X	Harvey H. Brown & Co.....	
Harry Yates.....	KDUB	300, 600.....	PG-X	American S. S. Co.....	
Hartford.....	KOSX	300, 450, 600.....	PG-X	U. S. S. B.....	
Hartwood.....	KEVR	300, 600.....	PG-X	Hart-Wood Lumber Co.....	
Harvard.....	WRH	300, 600.....	PG-N	Los Angeles S. S. Co.....	
Harvester.....	KDHG	300, 600.....	PG-X	Texas S. S. Co.....	
Harvey H. Brown.....	WQE	300, 600.....	PG-X	Castner, Curran & Bullitt.....	
Haslehurst.....	KOXB	300, 450, 600.....	PG-X	U. S. S. B.....	
Hastings.....	KDDL	300, 450, 600.....	PG-X	do.....	
Hastnal.....	KUVP	300, 600.....	PG-X	National Oil Transport Co.....	I. W. T. Co.
Hatchie.....	KIVJ	300, 600.....	PG-X	U. S. S. B.....	
Hathaway.....	KODK	300, 600.....	PG-X	do.....	
Hatteras.....	WNV	300, 450, 600.....	PG-X	do.....	
Hattie Luckenbach.....	WNF	300, 600.....	PG-X	Luckenbach S. S. Co.....	
Havilah.....	KUJK	300, 450, 600.....	PG-X	U. S. S. B.....	
Hawaiian.....	WKU	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Hawarden.....	KUPX	300, 450, 600.....	PG-X	U. S. S. B.....	
Haxtum.....	KUTB	300, 450, 600.....	PG-X	do.....	
Hayden.....	KUZP	300, 450, 600.....	PG-X	do.....	
Haymon.....	KDBU	300, 600.....	PG-X	do.....	
Haynie.....	KDCR	300, 600.....	PG-X	do.....	
H. C. Folger.....	KHS	300, 450, 600.....	PG-X	Atlantic Refining Co.....	R. C. of A.
Heber.....	KDDU	300, 600.....	PG-X	U. S. S. B.....	
Heffron.....	WBAY	300, 450, 600.....	PG-X	do.....	
Hegira.....	KIDF	300, 600.....	PG-X	do.....	
Helen.....	KZH	300, 600.....	PG-X	Bull-Insular S. S. Co.....	
Henry Clay.....	KESZ	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Henry County.....	KOMS	300, 600.....	PG-X	do.....	
Henry D. Whilton.....	KDRM	300, 600.....	PG-X	Union Sulphur Co.....	
Henry J. Bidde.....	WOW	300, 600.....	PG-X	California & Hawaiian Sugar Refining Co.....	Owner of vessel.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Henry M. Flagler.	KOX	300, 600.....	PG-X	Fla. East Coast Car Ferry Co.	R. C. of A.
Henry R. Mallory.	KEF	300, 450, 600.....	PG-N	Mallory S. S. Co. ....	I. W. T. Co.
Henry S. Grove.	KDLN	300, 600, 1800.....	PG-X	U. S. S. B. ....	S. O. R. S.
Henry Steers.	KURR	300, 450, 600.....	PG-X	do.....	
Hera.	KDGA	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Herbert G. Wylie.	WIF	300, 450, 600.....	PG-X	Pan-Amer. Pet. & Trans. Co.	Do.
Herbert L. Pratt.	KOY	300, 600.....	PG-X	Atlantic Refining Co. ....	Do.
Hercules.	KOCT	300, 600.....	PG-X	Moore Shipbuilding Co. ....	Owner of vessel
Heredia.	KDH	300, 600.....	PG-N	United Fruit Co. ....	T. R. T. Co.
Herman Frasch.	KDLW	300, 450, 600.....	PG-X	Union Sulphur Co. ....	S. O. R. S.
Hermosa.	WBP	300, 600.....	PG-X	Wilmington Transpn. Co. ....	R. C. of A.
H. F. Alexander.	KDYK	300, 550, 600, 1800.....	PG-N	Pacific S. S. Co. ....	Do.
H. F. Morse.	KOFJ	300, 600.....	PG-N	United States Transport Co.	
H. H. Rogers.	KSI	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	
Hickman.	WFQA	300, 450, 600.....	PG-N	U. S. S. B. ....	
Hico.	KECK	300, 600.....	PG-X	do.....	
Higo.	KUBV	300, 600.....	PG-X	do.....	
Hillsborough County.	KIKB	300, 600.....	PG-X	do.....	
Hilton.	KZK	300, 600.....	PG-X	A. H. Bull S. S. Co. ....	I. W. T. Co.
Hinckley.	KURB	300, 450, 600.....	PG-X	U. S. S. B. ....	S. O. R. S.
Hisko.	WQD	300, 600.....	PG-X	do.....	
H. M. Flagler.	KER	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	R. C. of A.
H. M. Storey.	KDVS	300, 600.....	PG-X	Standard Oil Co. of Calif.	Do.
H. M. Whitney.	WPV	300, 600.....	PG-X	Whitney S. S. Corp. ....	S. O. R. S.
Hoboken.	KDEQ	300, 440, 525, 600.....	PG-X	Erie Basin Towing & Hoisting Co. ....	
Hog Island.	KODV	300, 450, 600.....	PG-X	U. S. S. B. ....	R. C. of A.
Holbrook.	WQII	300, 600.....	PG-X	do.....	S. O. R. S.
Holden Evans.	KMY	300, 450, 600.....	PG-X	Holden Evans S. S. Co. ....	Owner of vessel.
Hollywood.	KDCS	300, 450, 600.....	PG-N	U. S. S. B. ....	R. C. of A.
Holyoke Bridge.	KUCJ	300, 600.....	PG-X	do.....	
Homer.	KUMG	300, 600.....	PG-X	D. J. Hanlon....	
Homestead.	KEKR	300, 600.....	PG-N	U. S. S. B. ....	
Honneda.	KUXZ	300, 600.....	PG-N	do.....	
Honolulu.	WMZ	300, 600.....	PG-X	do.....	Moore & McCormack.
Hopatcong.	KDKC	300, 600.....	PG-N	do.....	
Horace X. Baxter.	WOF	300, 600.....	PG-X	Horace X. Baxter S. S. Co. ....	Owner of vessel.
Houma.	WTUO	300, 450, 600.....	PG-X	U. S. S. B. ....	I. W. T. Co.
Houston.	KDCO	300, 450, 600.....	PG-X	do.....	Do.
Hoven.	KEXV	300, 600.....	PG-N	do.....	R. C. of A.
Howard.	KQH	300, 450, 600.....	PG-N	Merchants & Miners Trans. Co.	
Howick Hall.	KLT	300, 600.....	PG-X	U. S. Steel Products Co. ....	
Hoxbar.	KIJQ	300, 600.....	PG-X	U. S. S. B. ....	R. C. of A.
Hoxie.	KEMK	300, 600.....	PG-X	do.....	S. O. R. S.
H. T. Harper.	KDVM	300, 600.....	PG-X	Standard Oil Co. of Calif.	R. C. of A.
Hugoton.	KIQR	300, 600.....	PG-X	U. S. S. B. ....	
Huguenot.	KIVQ	300, 600.....	PG-X	do.....	I. W. T. Co.
Hukey.	KIFC	300, 600.....	PG-X	do.....	
Hulaco.	KODQ	300, 600.....	PG-X	do.....	
Hulver.	KIGD	300, 450, 600.....	PG-X	do.....	
Humacoma.	KIGC	300, 600.....	PG-X	do.....	
Humboldt.	WLX	300, 600.....	PG-N	Fred Linderman	
Humrick.	KIFN	300, 450, 600.....	PG-X	U. S. S. B. ....	
Huron.	KVH	300, 450, 600.....	PG-N	Clyde S. S. Co. ....	
Huron.	WCH	300, 600.....	PG-X	Wyandotte Transpn. Co. ....	I. W. T. Co.
Hutchinson.	KUJP	300, 450, 600.....	PG-X	U. S. S. B. ....	R. C. of A.
Hyades.	WMK	300, 600.....	PG-X	Matson Navigation Co. ....	
Hyannis.	KINC	300, 600.....	PG-X	U. S. S. B. ....	
Hybert.	KDCA	300, 600.....	PG-X	do.....	
Ice King.	KJUA	300, 600.....	PG-N	do.....	
Iceland.	KOKK	300, 600.....	PG-X	do.....	
Iconium.	WQUO	300, 600.....	PG-X	do.....	
I. C. White.	KDDO	300, 600.....	PG-X	Pan-American Petroleum & Transport Co. ....	R. C. of A.
Ida.	WLV	300, 450, 600.....	PG-X	U. S. S. B. ....	
I. J. Merritt.	KOVZ	300, 600.....	PG-X	Merritt & Chapman Derrick & Wrecking Co. ....	Owner of vessel.
Illinois.	KDSZ	300, 600, 1800.....	PG-X	Texas Co. ....	I. W. T. Co.
Illinois.	WCZ	300, 600.....	PG-X	Goodrich Transit Co. ....	R. C. of A.
Imlay.	KIZV	300, 600.....	PG-X	U. S. S. B. ....	
Independence.	WJIO	300, 450, 600.....	PG-X	do.....	
Independence Hall.	KDCG	300, 450, 600.....	PG-X	do.....	
Independent Bridge.	KOGB	300, 600.....	PG-X	do.....	
India Arrow.	KDHP	300, 450, 600.....	PG-X	Standard Transpn. Co. ....	Do.
Indiana.	WFC	300, 600.....	PG-X	Goodrich Transit Co. ....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Indiana Bridge.....	KOND	300, 450, 600.....	PG-X	U. S. S. B.....	
Indiana Harbor.....	KUBS	300, 600.....	PG-X	do.....	
Indianapolis.....	WROE	300, 600.....	PG-N	do.....	
Ingold.....	WLUU	300, 600.....	PG-X	do.....	
Innoko.....	KITJ	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Inspector.....	KOKR	300, 600.....	PG-X	do.....	R. C. of A.
Intan.....	KIGK	300, 600.....	PG-N	do.....	Do.
Intrepid.....	KDHI	300, 600.....	PG-X	W. S. Kilmer.....	
Invader.....	KDWR	300, 600.....	PG-X	J. P. Jefferson.....	
Invincible.....	WCII	300, 450, 600.....	PG-X	U. S. S. B.....	
Iowan.....	WKJ	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Ipswich.....	KILV	300, 600.....	PG-X	Shawmut S. S. Co.....	Do.
Irages.....	KDYH	300, 600.....	PG-X	International Petroleum Co.....	
Irene.....	KOKT	300, 600.....	PG-X	A. H. Bull S. S. Co.....	
Iris.....	WOJ	300, 450, 600.....	PG-X	Pacific Transport Co.....	R. C. of A.
Iroquois.....	KUTQ	300, 600.....	PG-X	Chicago & South Haven S. S. Co.....	Do.
Iroquois.....	KVF	300, 450, 600.....	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Irvington.....	KOGQ	300, 600.....	PG-N	U. S. S. B.....	
Isanti.....	WVEU	300, 600.....	PG-X	do.....	
Isonomia.....	KEL	300, 600.....	PG-N	do.....	Do.
Italia.....	KUPR	300, 450, 600.....	PG-X	Submarine Boat Corp.....	R. C. of A.
Itompa.....	KENR	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
J. A. Bostwick.....	KJN	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	
Jackson.....	KIKC	300, 450, 600.....	PG-X	U. S. S. B.....	
Jacksonville.....	KOJG	300, 450, 600.....	PG-X	do.....	
Jacob Luckenbach.....	KDXE	300, 600, 1800.....	PG-X	Luckenbach S. S. Co.....	Owner of vessel.
Jacob T. Kopp.....	KDVS	300, 600.....	PG-X	American S. S. Co.....	Do.
Jacona.....	WQUU	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Jacox.....	KEML	300, 400, 600.....	PG-X	do.....	I. W. T. Co.
Jadden.....	KORM	300, 450, 600.....	PG-X	do.....	R. C. of A.
Jalapa.....	KDCW	300, 600.....	PG-X	do.....	S. O. R. S.
James McGee.....	KTP	300, 450, 600.....	PG-X	do.....	R. C. of A.
James Otis.....	KCDC	300, 600, 1800.....	PG-X	Standard Oil Co. of N. J.....	S. O. R. S.
James P. Walsh.....	KDXW	300, 600.....	PG-X	U. S. S. B.....	R. C. of A..
James S. Whitney.....	WPW	300, 600.....	PG-X	Pioneer S. S. Co.....	Do.
Jamestown.....	KOC	300, 450, 600.....	PG-N	Acme S. S. Corp.....	
J. A. Moffett.....	WRE	300, 600, 1800.....	PG-X	Old Dominion S. S. Co.....	Owner of vessel.
J. A. Moffett, jr.....	KDTU	300, 450, 600.....	PG-X	Standard Oil Co. of Calif.....	R. C. of A.
Janelew.....	KDFS	300, 600, 1800.....	PG-X	Standard Oil Co. of N. J.....	Do.
Japan Arrow.....	KDHO	300, 600.....	PG-N	U. S. S. B.....	S. O. R. S.
Java Arrow.....	KDHQ	300, 600.....	PG-X	Standard Transpn. Co.....	R. C. of A.
J. C. Donnell.....	WJM	300, 450, 600.....	PG-X	do.....	Do.
Jean.....	KZJ	300, 600.....	PG-X	Atlantic Refining Co.....	Do.
Jeanette Skinner.....	WQW	300, 440, 525, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Jeff Davis.....	KDQF	300, 600, 1800.....	PG-X	U. S. S. B.....	
Jefferson.....	KOD	300, 450, 600.....	PG-X	Old Dominion Transpn. Co.....	S. O. R. S.
Jefferson.....	WAJ	300, 550, 600.....	PG-N	Alaska S. S. Co.....	R. C. of A.
Jefferson County.....	KIKF	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Jekey.....	KEBS	300, 600.....	PG-X	do.....	
Jennie R. Morse.....	KUNN	300, 450, 600.....	PG-X	do.....	R. C. of A.
J. E. O'Neil.....	KSB	300, 600.....	PG-X	Atlantic Refining Co.....	S. O. R. S.
Jeptha.....	KDFU	300, 600.....	PG-X	U. S. S. B.....	R. G. of A.
J. Fletcher Farrell.....	KDHR	300, 600.....	PG-X	Sinclair Navigation Co.....	I. W. T. Co.
J. F. Penrose.....	KUQN	300, 450, 600.....	PG-X	National Oil Transport Co.....	R. C. of A.
Jim Sid.....	KUZD	300, 600.....	PG-X	Gulf Barge & Towing Co.....	
J. J. Sullivan.....	KDXV	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. of A.
J. L. Reiss.....	KURJ	300, 600.....	PG-X	Reiss S. S. Co.....	Do.
J. M. Danziger.....	WIW	300, 450, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.....	Do.
J. M. Guffey.....	KTF	300, 600.....	PG-X	Gulf Refining Co.....	I. W. T. Co.
J. N. Pew.....	KDTP	300, 600.....	PG-X	Sun Co.....	R. C. of A.
Johanna Smith.....	WHZ	300, 600.....	PG-X	Pacific States Lumber Co.....	Owner of vessel.
John Adams.....	KOSS	300, 600.....	PG-X	U. S. S. B.....	
John C. Kirkpatrick.....	KDQR	300, 600.....	PG-X	Thomas Crowley.....	R. C. of A.
John D. Archbold.....	KDUM	300, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
John D. Rockefeller.....	KTO	300, 450, 600.....	PG-X	do.....	Owner of vessel.
John Ena.....	KIRS	300, 600.....	PG-X	James Botts.....	
John Englis.....	KDDJ	300, 450, 600, 1800.....	PG-X	U. S. S. B.....	
John F. Hylan.....	KUSM	300, 600.....	PR-X	Police Dept., City of N. Y.....	Do.
John Jay.....	KUXR	300, 600.....	PG-X	U. S. S. B.....	Do.
John J. Boland.....	KDWB	300, 600.....	PG-X	American S. S. Co.....	
John M. Connelly.....	KJEI	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
John P. Reiss.....	KUTM	300, 600.....	PG-X	North American S. S. Co.....	Do.
John R. Gibbons.....	KURL	300, 600.....	PG-X	American Bauxite Co.....	
John Roach.....	KOSN	300, 600.....	PG-X	U. S. S. B.....	
Johnson City.....	KIKD	300, 600.....	PG-X	do.....	
John Stanton.....	KDXT	300, 600.....	PG-X	Pioneer S. S. Co.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by-
John Stevens.....	KDGM	300, 600, 1800.	PG-X	U. S. S. B.....	R. C. of A.
John Worthington.....	KDMN	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	Owner of vessel.
John W. Wells.....	KOCR	300, 600..	PG-X	Chas. R. McCormick & Co.....	R. C. of A.
Jolee.....	KUVT	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Jomar.....	KUGT	300, 450, 600..	PG-X	....do.....	Do.
Jonancy.....	KSEU	300, 450, 600..	PG-X	Pocahontas Fuel Co.....	Do.
Joseph G. Butler, jr.....	KDXU	300, 600..	PG-X	Pioneer S. S. Co.....	Do.
Joseph M. Cudahy.....	KDMT	300, 600..	PG-X	Sinclair Navigation Co.....	Do.
Joseph R. Parrott.....	KJP	300, 450, 600..	PG-X	Florida East Coast Car Ferry Co.....	Do.
Joseph Seep.....	KDJV	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	Do.
Josiah Macy.....	KEX	300, 600..	PG-X	....do.....	Do.
J. R. Gordon.....	KOML	300, 600..	PG-X	Union Sulphur Co.....	S. O. R. S.
J. T. Hutchinson.....	KDXX	300, 600..	PG-X	Pioneer S. S. Co.....	R. C. of A.
Julia Luckenbach.....	KGZ	300, 450, 600..	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Juneau.....	WAM	300, 600..	PG-X	Alaska S. S. Co.....	Do.
Juniata.....	KQJE	300, 450, 600..	PG-N	Merchants & Miners Transp. Co.....	I. W. T. Co.
Juniata.....	WCB	300, 450, 600..	PG-N	Great Lakes Transit Corp.....	R. C. of A.
Juvigny.....	KUQX	300, 600..	PG-X	Independent S. S. Co.....	Owner of vessel.
J. W. Van Dyke.....	KHR	300, 450, 600..	PG-X	Atlantic Refining Co.....	R. C. of A.
Kaleen.....	KOKV	300, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Kamesit.....	KEDG	300, 450, 600..	PG-X	....do.....	Owner of vessel.
Kanak.....	KOT	300, 400, 600..	PG-X	Alaska Packers Assn.....	Do.
Kanawha.....	KYA	300, 600..	PG-X	Black Star Line.....	R. C. of A.
Katherine.....	KIZK	300, 450, 600..	PG-X	Philippine Vegetable Oil Co.....	S. O. R. S.
Katrina Luckenbach.....	KWU	300, 450, 600..	PG-X	Luckenbach S. S. Co.....	Do.
Kayseeka.....	KOQZ	300, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Kearny.....	KOPR	300, 600..	PG-N	....do.....	S. O. R. S.
Kehuku.....	KUPV	300, 450, 600..	PG-X	....do.....	Do.
Keketticuit.....	KZEA	300, 600..	PG-X	....do.....	Do.
Kekoskee.....	KDGY	300, 450, 600..	PG-X	....do.....	I. W. T. Co.
Kennecott.....	KDPP	300, 450, 550, 600	PG-X	Alaska S. S. Co.....	S. O. R. S.
Kenowis.....	KOSV	300, 450, 600..	PG-X	U. S. S. B.....	R. C. of A.
Kentuckian.....	WKE	300, 450, 600..	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Kerhonkson.....	KUJF	300, 450, 600..	PG-X	U. S. S. B.....	R. C. of A.
Kermitt.....	WMV	300, 450, 600..	PG-X	....do.....	United American Lines.
Kershaw.....	KQK	300, 450, 600..	PG-X	Merchants & Miners Transp. Co.....	I. W. T. Co.
Keshena.....	KITR	300, 600..	PG-X	U. S. S. B.....	S. O. R. S.
Ketchikan.....	WAE	300, 600..	PG-X	Alaska S. S. Co.....	Do.
Kewanee.....	KIVC	300, 450, 600..	PG-X	U. S. S. B.....	Do.
K. I. Luckenbach.....	KHY	300, 450, 600..	PG-X	Luckenbach S. S. Corp.....	I. W. T. Co.
Kingfisher.....	KDNJ	300, 600..	PG-X	Andrew Hudson.....	Do.
Kiokee.....	KITS	300, 600..	PG-X	U. S. S. B.....	Do.
Kiowa.....	KDJP	300, 600..	PG-X	Independent S. S. Co.....	Do.
Kiron.....	KRL	300, 600..	PG-X	Clyde S. S. Co.....	Do.
Kishacoquillas.....	KITT	300, 600..	PG-X	U. S. S. B.....	Do.
Kisnop.....	KIFJ	300, 600..	PG-X	....do.....	Do.
Kitchi.....	KIJK	300, 450, 600..	PG-X	....do.....	Do.
Kittegann.....	KITV	300, 450, 600..	PG-X	....do.....	Do.
Knoxville.....	KITG	300, 600..	PG-X	....do.....	Do.
Knoxville City.....	KIJN	300, 600..	PG-X	....do.....	Do.
Kolda.....	KDUD	300, 450, 600..	PG-X	U. S. Steel Products Co.....	R. C. of A.
Kootenia.....	KOKX	300, 600..	PG-X	U. S. S. B.....	Do.
Kosciuszko.....	KOGF	300, 450, 600..	PG-X	Polish-American Nav. Corp.....	Do.
K. R. Kingsbury.....	KZUE	300, 600..	PG-X	Standard Oil Co. of Calif.....	I. W. T. Co.
Kroonland.....	KDR	300, 600..	PG-X	International Mercantile Ma- rine Co.....	Owner of vessel.
Kuwa.....	WCEE	300, 400, 600..	PG-X	U. S. S. B.....	Do.
Kvichak.....	WNS	300, 400, 600..	PG, & PR-N, & X	Alaska Packers Assn.....	Owner of vessel.
Labette.....	KIZX	300, 600..	PG-X	U. S. S. B.....	S. O. R. S.
La Brea.....	WON	300, 600, 1800.	PG-X	Union Oil Co.....	F. T. Co.
La c k a w a n n a B r i d g e .	KOGC	300, 600..	PG-X	U. S. S. B.....	Do.
Lackawanna Val- ley.	KIXD	300, 450, 600..	PG-X	....do.....	Do.
La Crosse.....	KONM	300, 450, 600..	PG-X	....do.....	I. W. T. Co.
Lafcomo.....	KIXK	300, 450, 600..	PG-X	....do.....	Owner of vessel.
La Jota.....	KDXF	300, 450, 600..	P-X	W. W. Wilson.....	Do.
Lake Agomak.....	KZEU	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Lake Akra.....	KVUE	300, 450, 600..	PG-X	....do.....	Do.

**COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.**

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Allen.....	KLEI	300, 600.....	PG-X	U. S. S. B.	
Lake Alvada.....	KXAA	300, 600.....	PG-X	do.....	
Lake Annette.....	KKOE	300, 450, 600.....	PG-X	do.....	
Lake Arline.....	KZOE	300, 600.....	PG-X	do.....	
Lake Arthur.....	WFL	300, 600.....	PG-X	Richmond-New York S. S. Co.	R. C. of A.
Lake Aurice.....	KZIA	300, 600.....	PG-X	U. S. S. B.	
Lake Beacon.....	WTAA	300, 450, 600.....	PG-X	do.....	
Lake Belnoma.....	KZII	300, 600.....	PG-X	do.....	
Lake Benbow.....	KVAF	300, 600.....	PG-X	do.....	
Lake Benton.....	KSIU	300, 600.....	PG-X	do.....	
Lake Berdan.....	KZEE	300, 600.....	PG-X	do.....	
Lake Blanchester.....	KTII	300, 600.....	PG-X	do.....	
Lake Bledsoe.....	KTUE	300, 600.....	PG-X	do.....	
Lake bridge.....	KDIS	300, 600.....	PG-X	do.....	
Lake Buckeye.....	WSEU	300, 600.....	PG-X	do.....	
Lake Butler.....	WFN	300, 600.....	PG-N	do.....	
Lake Cahoon.....	WKEE	300, 600.....	PG-X	do.....	
Lake Calistoga.....	KXIU	300, 600.....	PG-X	do.....	
Lake Callicoon.....	WNAO	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Lake Canaveral.....	KIDS	300, 450, 600.....	PG-X	do.....	Do.
Lake Candelaria.....	KLIB	300, 600.....	PG-X	do.....	
Lake Cannonsburg.....	KIMV	300, 600.....	PG-X	do.....	
Lake Capeus.....	KLUA	300, 600.....	PG-X	do.....	
Lake Cathcoen.....	WLFO	300, 600.....	PG-X	do.....	
Lake Catherine.....	KSII	300, 450, 600.....	PG-X	do.....	
Lake Cayuga.....	KLUI	300, 450, 600.....	PG-X	do.....	
Lake Charles.....	KHW	300, 600.....	PG-X	do.....	
Lake Charlotte.....	KQEO	300, 600.....	PG-X	do.....	
Lake Charlottes-ville.....	WNEA	300, 600.....	PG-X	do.....	
Lake Chelan.....	KQUO	300, 600.....	PG-X	do.....	
Lake Clear.....	KLEO	300, 600.....	PG-X	do.....	
Lake Como.....	KLIE	300, 600.....	PG-X	do.....	
Lake Conesus.....	KSAO	300, 600.....	PG-X	do.....	
Lake Copley.....	WKAU	300, 600.....	PG-X	do.....	
Lake Crescent.....	WAP	300, 600.....	PG-X	do.....	
Lake Crystal.....	KLAO	300, 600.....	PG-X	do.....	
Lake Dancey.....	KZEO	300, 600.....	PG-X	do.....	
Lake Daraga.....	KRIA	300, 600.....	PG-X	do.....	
Lake Delancey.....	KXAE	300, 450, 600.....	PG-X	do.....	
Lake Desha.....	WTAE	300, 600.....	PG-X	do.....	
Lake Deval.....	WKEA	300, 600.....	PG-X	do.....	
Lake Duncan.....	KS00	300, 600.....	PG-X	do.....	
Lake Dunmore.....	KDIY	300, 450, 600.....	PG-X	do.....	
Lake Dymer.....	KZEI	300, 600.....	PG-X	do.....	
Lake Eckhart.....	KSOE	300, 600.....	PG-X	do.....	
Lake Eliko.....	KTAI	300, 600.....	PG-X	do.....	
Lake Elizabeth.....	WOP	300, 600.....	PG-X	do.....	
Lake Elkwater.....	KEPM	300, 600.....	PG-X	do.....	
Lake Elkwood.....	KENP	300, 600.....	PG-X	do.....	
Lake Ellendale.....	KEPN	300, 600.....	PG-X	do.....	
Lake Ellenorah.....	KEPP	300, 600.....	PG-X	do.....	
Lake Ellerslie.....	KEQM	300, 600.....	PG-X	do.....	
Lake Ellicott.....	KEQN	300, 600.....	PG-X	do.....	
Lake Ellijay.....	KOBL	300, 600.....	PG-X	do.....	
Lake Ellithorpe.....	KOFM	300, 600.....	PG-X	do.....	
Lake Ellsbury.....	KOFP	300, 450, 600.....	PG-X	do.....	
Lake Ellsworth.....	KOCZ	300, 600.....	PG-X	do.....	
Lake Elmdale.....	KOLR	300, 450, 600.....	PG-X	do.....	
Lake Elmhurst.....	KOFQ	300, 600.....	PG-X	do.....	
Lake Elmont.....	KOQQ	300, 450, 600.....	PG-X	do.....	
Lake Elmsford.....	KOVG	300, 450, 600.....	PG-X	do.....	
Lake Elmwood.....	KOZT	300, 450, 600.....	PG-X	do.....	
Lake Elon.....	KOBZ	300, 450, 600.....	PG-X	do.....	
Lake Elpueblo.....	KOFV	300, 600.....	PG-X	do.....	
Lake Elsa.....	KOSR	300, 450, 600.....	PG-X	do.....	R. C. of A.
Lake Elsinore.....	KRII	300, 600.....	PG-X	do.....	
Lake Elsmere.....	KONT	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Lake Elva.....	KUBR	300, 450, 600.....	PG-X	do.....	
Lake Elwin.....	KUDM	300, 450, 600.....	PG-X	do.....	
Lake Ennis.....	KLUO	300, 600.....	PG-X	do.....	
Lake Fablus.....	KIPQ	300, 600.....	PG-X	do.....	
Lake Fabyan.....	KINJ	300, 450, 600.....	PG-X	do.....	
Lake Faqundus.....	KISN	300, 600.....	PG-X	do.....	
Lake Fairfax.....	KIRV	300, 600.....	PG-X	do.....	
Lake Fairlie.....	KISP	300, 450, 600.....	PG-X	do.....	
Lake Fairport.....	KOGR	300, 600.....	PG-X	do.....	
Lake Falama.....	KITB	300, 600.....	PG-X	do.....	
Lake Falun.....	KOTB	300, 600.....	PG-X	do.....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Fanbush.....	KEJN	300, 600.....	PG-X	U. S. S. B.	
Lake Fandango.....	KOVL	300, 600.....	PG-X	do	
Lake Fandon.....	KOV'S	300, 600.....	PG-X	do	
Lake Fannin.....	KECN	300, 450, 600	PG-X	do	
Lake Fanquier.....	KEKN	300, 600.....	PG-X	do	I. W. T. Co.
Lake Fansdale.....	KEKM	300, 600.....	PG-X	do	
Lake Farabee.....	KEBP	300, 600.....	PG-X	do	
Lake Farber.....	KIRB	300, 600.....	PG-X	do	
Lake Faresman.....	KEVZ	300, 600.....	PG-X	do	
Lake Farge.....	WLEA	300, 600.....	PG-X	do	
Lake Faribault.....	KEDM	300, 600.....	PG-X	do	
Lake Faristell.....	WLEE	300, 450, 600	PG-X	do	
Lake Farley.....	KEDP	300, 600.....	PG-X	do	
Lake Farlin.....	KIGM	300, 600.....	PG-X	do	S. O. R. S.
Lake Farmingdale.....	KIPZ	300, 600.....	PG-X	do	
Lake Farragut.....	KIQN	300, 600.....	PG-X	do	R. C. of A.
Lake Farrar.....	KISX	300, 600.....	PG-X	do	Do.
Lake Faulk.....	KEJP	300, 600.....	PG-X	do	
Lake Favonia.....	KOJP	300, 450, 600	PG-X	do	
Lake Faxon.....	KOLJ	300, 600.....	PG-X	do	
Lake Fear.....	KIVM	300, 600.....	PG-X	do	
Lake Felden.....	KOLK	300, 450, 600	PG-X	do	
Lake Fenn.....	KOTT	300, 600.....	PG-X	do	
Lake Feodora.....	KUBT	300, 600.....	PG-X	do	
Lake Fernalda.....	KOPB	300, 600.....	PG-X	do	
Lake Fernando.....	KELM	300, 450, 600	PG-X	do	
Lake Fernwood.....	KDEA	300, 600.....	PG-X	do	
Lake Ferrona.....	KELN	300, 450, 600	PG-X	do	
Lake Festina.....	KEQP	300, 450, 600	PG-X	do	
Lake Festus.....	KERM	300, 600.....	PG-X	do	S. O. R. S.
Lake Fibre.....	KERN	300, 600.....	PG-X	do	
Lake Fielding.....	KERP	300, 600.....	PG-X	do	I. W. T. Co.
Lake Fife.....	KESM	300, 600.....	PG-X	do	
Lake Figart.....	KESN	300, 600.....	PG-X	do	
Lake Fighting.....	KESP	300, 600.....	PG-X	do	S. O. R. S.
Lake Filbert.....	KONV	300, 450, 600	PG-X	do	
Lake Fillion.....	KOPV	300, 600.....	PG-X	do	
Lake Fiscus.....	KOCG	300, 600.....	PG-X	do	
Lake Fisher.....	KODD	300, 600.....	PG-X	do	
Lake Fitch.....	KOJQ	300, 600.....	PG-X	do	
Lake Fifthian.....	KOKZ	300, 600.....	PG-X	do	
Lake Flag.....	KUMX	300, 450, 600	PG-X	do	
Lake Flagon.....	KIXT	300, 600.....	PG-X	do	
Lake Flagstaff.....	KIZM	300, 600.....	PG-X	do	I. W. T. Co.
Lake Flambeau.....	KIZN	300, 600.....	PG-X	do	
Lake Flanders.....	KOGT	300, 600.....	PG-X	do	
Lake Flatonia.....	KOGS	300, 600.....	PG-X	do	
Lake Flattery.....	KOMC	300, 600.....	PG-X	do	
Lake Floravista.....	KUFC	300, 450, 600	PG-X	do	
Lake Florian.....	KUFD	300, 450, 600	PG-X	do	R. C. of A.
Lake Floris.....	KUFF	300, 450, 600	PG-X	do	Do.
Lake Flournoy.....	KUFG	300, 450, 600	PG-X	do	
Lake Flovilla.....	KESK	300, 600.....	PG-X	do	
Lake Flume.....	KMUU	300, 600.....	PG-X	do	
Lake Flushing.....	KEBV	300, 600.....	PG-X	do	
Lake Fluvanna.....	WLAU	300, 600.....	PG-X	do	
Lake Flynnus.....	KBCV	300, 600.....	PG-X	do	
Lake Folcroft.....	KEXL	300, 600.....	PG-X	do	
Lake Fonda.....	KEZC	300, 600.....	PG-X	do	
Lake Fondulac.....	WSEO	300, 600.....	PG-X	do	
Lake Fontana.....	KEZD	300, 600.....	PG-X	do	
Lake Fontanet.....	KEZF	300, 600.....	PG-X	do	
Lake Forkville.....	WLEI	300, 600.....	PG-X	do	
Lake Forney.....	WBUU	300, 600.....	PG-X	do	
Lake Forsby.....	WCUA	300, 600.....	PG-X	do	Do.
Lake Fossil.....	WCUE	300, 600.....	PG-X	do	
Lake Fostoria.....	WPIO	300, 600.....	PG-X	do	
Lake Fouché.....	WPIU	300, 600.....	PG-X	do	
Lake Foxboro.....	KBSB	300, 600.....	PG-X	do	
Lake Foxcraft.....	KEGL	300, 600.....	PG-X	do	
Lake Fraichur.....	KEJJ	300, 600.....	PG-X	do	
Lake Fraley.....	KEJJ	300, 600.....	PG-X	do	
Lake Frances.....	KTAO	300, 600.....	PG-X	do	
Lake Franconia.....	WCUO	300, 600.....	PG-X	do	
Lake Fray.....	WCUU	300, 600.....	PG-X	do	
Lake Fraze.....	WDUA	300, 450, 600	PG-X	do	
Lake Freeborn.....	WDUI	300, 600.....	PG-X	do	
Lake Freed.....	WDUO	300, 600.....	PG-X	do	
Lake Freeland.....	WDUU	300, 450, 600	PG-X	do	
Lake Freezeout.....	WFUA	300, 450, 600	PG-X	do	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Frenchton	WFUE	300, 600.....	PG-X	U. S. S. B.	
Lake Fresco	WNAAU	300, 450, 600..	PG-X	do	
Lake Friar	KEFN	300, 600.....	PG-X	do	
Lake Frio	KEFP	300, 600.....	PG-X	do	
Lake Frohma	KEGR	300, 450, 600..	PG-X	do	
Lake Frolomo	KEGN	300, 600.....	PG-X	do	
Lake Frugality	KEGP	300, 600.....	PG-X	do	
Lake Frumet	KIRJ	300, 600.....	PG-X	do	
Lake Fugard	WLEU	300, 450, 600..	PG-X	do	
Lake Furley	WMAA	300, 600.....	PG-X	do	
Lake Furliough	KEKP	300, 450, 600..	PG-X	do	I. W. T. Co.
Lake Furnas	KUTV	300, 600.....	PG-X	do	
Lake Gadsden	KITP	300, 600.....	PG-X	do	R. C. of A.
Lake Gaither	KOJZ	300, 600.....	PG-X	do	
Lake Gakona	KVOU	300, 600.....	PG-X	do	
Lake Galata	KOJJ	300, 450, 600..	PG-X	do	
Lake Galera	KXAI	300, 600.....	PG-X	do	
Lake Galewood	KOJX	300, 600.....	PG-X	do	
Lake Galien	KOJT	300, 450, 600..	PG-X	do	
Lake Galisteo	KUGL	300, 450, 600..	PG-X	do	
Lake Ganado	KUMB	300, 600.....	PG-X	do	
Lake Gano	KDGR	300, 600.....	PG-X	do	S. O. R. S.
Lake Gardner	KXEO	300, 600.....	PG-X	do	
Lake Garza	KVOE	300, 600.....	PG-X	do	
Lake Gaspar	KVOI	300, 450, 600..	PG-X	do	
Lake Gatun	KDKP	300, 600.....	PG-X	do	
Lake Gazette	KIPN	300, 600.....	PG-X	do	
Lake Gebhart	KOGV	300, 450, 600..	PG-X	do	
Lake Gedney	KVUU	300, 450, 600..	PG-X	do	
Lake Geneva	KXUA	300, 600.....	PG-X	do	
Lake George	KDIZ	300, 600.....	PG-X	do	
Lake Gera	KOKS	300, 600.....	PG-X	do	R. C. of A.
Lake Gert	KOMB	300, 600.....	PG-X	do	
Lake Getaway	KOLZ	300, 450, 600..	PG-X	do	
Lake Geyser	KULD	300, 600.....	PG-X	do	
Lake Giddings	KUCR	300, 600.....	PG-X	do	
Lake Gilboa	KEZJ	300, 450, 600..	PG-X	do	
Lake Gilpen	KEZK	300, 600.....	PG-X	do	I. W. T. Co.
Lake Gilta	KEZL	300, 600.....	PG-X	do	R. C. of A.
Lake Giltedge	KEBMB	300, 600.....	PG-X	do	S. O. R. S.
Lake Girardeau	KOCS	300, 600.....	PG-X	do	
Lake Girth	KEBN	300, 600.....	PG-X	do	I. W. T. Co.
Lake Gitano	KECM	300, 600.....	PG-N	do	S. O. R. S.
Lake Glasco	KINK	300, 600.....	PG-X	do	
Lake Glaticus	KUMV	300, 600.....	PG-X	do	
Lake Glebe	KIBB	300, 450, 600..	PG-X	do	
Lake Glencoe	KIGB	300, 600.....	PG-X	do	
Lake Gorin	WRIE	300, 600.....	PG-X	do	
Lake Gormania	WVIA	300, 600.....	PG-X	do	
Lake Govan	WVIU	300, 600.....	PG-X	do	
Lake Gradaan	WSUU	300, 600.....	PG-X	do	
Lake Grainger	KEJK	300, 600.....	PG-X	do	
Lake Gramma	KEJL	300, 450, 600..	PG-X	do	
Lake Grampian	KEKG	300, 450, 600..	PG-X	do	
Lake Grampus	KEKJ	300, 600.....	PG-X	do	
Lake Granby	KIDB	300, 600.....	PG-X	do	
Lake Grandon	WLAI	300, 600.....	PG-X	do	
Lake Graphite	WZOA	300, 600.....	PG-X	do	
Lake Gratis	WZOE	300, 600.....	PG-X	do	
Lake Grattan	WZOI	300, 600.....	PG-X	do	
Lake Gravella	WZOO	300, 450, 600..	PG-X	do	
Lake Gravett	WZOU	300, 450, 600..	PG-X	do	
Lake Gravity	WBUA	300, 600.....	PG-X	do	
Lake Greenbrier	WBUE	300, 600.....	PG-X	do	
Lake Gretna	WBUI	300, 600.....	PG-X	do	
Lake Grogan	WBUE	300, 600.....	PG-X	do	
Lake Gunnii	KUNC	300, 600.....	PG-X	do	
Lake Haresti	KUGN	300, 450, 600..	PG-X	do	
Lake Harminia	KUNB	300, 600.....	PG-X	do	
Lake Harney	KGOE	300, 600.....	PG-X	International Coal Trans. Corp.	
Lake Harris	KXAU	300, 450, 600..	PG-X	U. S. S. B.	
Lake Hector	KUMZ	300, 450, 600..	PG-X	do	R. C. of A.
Lake Helen	KZOI	300, 600.....	PG-X	do	
Lake Hemlock	KLOE	300, 600.....	PG-X	do	
Lake Hewes	KVUU	300, 600.....	PG-X	do	
Lakehurst	KLOI	300, 600.....	PG-X	do	
Lake Ikatan	KUCM	300, 450, 600..	PG-X	do	
Lake Inaha	KEFM	300, 450, 600..	PG-X	do	
Lake Indian	KZOO	300, 600.....	PG-X	do	S. O. R. S.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Inglenook.....	KOBT	300, 600.....	PG-X	U. S. S. B.....	
Lake Janet.....	KFD	300, 600.....	PG-X	.....do.....	
Lake Jessup.....	KHV	300, 600.....	PG-X	International Coal Trans. Corp.	
Lake Kyttle.....	WCOU	300, 600.....	PG-X	U. S. S. B.....	
Lakeland.....	WDL	300, 600.....	PG-X	Tri-State S. S. Co.....	R. C. of A.
Lake Larga.....	KMUE	300, 450, 600..	PG-X	U. S. S. B.....	
Lake Lasang.....	KMUU	300, 600.....	PG-X	.....do.....	
Lake Ledan.....	KTUA	300, 600.....	PG-X	.....do.....	
Lake Lemando.....	WCIO	300, 600.....	PG-X	.....do.....	
Lake Lessa.....	KXOU	300, 600.....	PG-X	.....do.....	
Lake Licoco.....	WTAO	300, 600.....	PG-X	.....do.....	
Lake Lida.....	KLOO	300, 450, 600..	PG-X	.....do.....	
Lake Liliucusun.....	KZIO	300, 600.....	PG-X	.....do.....	
Lake Lillian.....	KXUI	300, 600.....	PG-X	International Coal Trans. Corp.	
Lake Linden.....	KZAE	300, 600.....	PG-X	U. S. S. B.....	
Lake Louise.....	KZUU	300, 600.....	PG-X	.....do.....	
Lake Marion.....	KXEE	300, 600.....	PG-X	.....do.....	
Lake Markham.....	KTOU	300, 600.....	PG-X	.....do.....	
Lake Mary.....	KREO	300, 600.....	PG-X	.....do.....	
Lake Mattato.....	WTAI	300, 600.....	PG-X	.....do.....	
Lake Maurepas.....	KLEA	300, 600.....	PG-X	.....do.....	
Lake Medford.....	KZOA	300, 450, 600..	PG-X	.....do.....	
Lake Miraflores.....	KDNR	300, 600.....	PG-X	.....do.....	
Lake Narka.....	KTOA	300, 600.....	PG-X	.....do.....	
Lake Ogden.....	KHU	300, 600.....	PG-X	.....do.....	I. W. T. Co.
Lake Onawa.....	KOJM	300, 600.....	PG-X	.....do.....	
Lake Ontario.....	KDIR	300, 600.....	PG-X	.....do.....	
Lake Orange.....	KZOU	300, 600.....	PG-X	.....do.....	
Lake Ormoc.....	KVUA	300, 600.....	PG-X	.....do.....	
Lake Osweya.....	KVAA	300, 450, 600..	PG-X	.....do.....	
Lake Otisco.....	KLIA	300, 600.....	PG-X	Internat. Coal Trans. Corp.	
Lake Otsquago.....	KXAO	300, 600.....	PG-X	U. S. S. B.....	
Lake Pachuta.....	KTUU	300, 600.....	PG-X	.....do.....	
Lake Pearl.....	KVIO	300, 450, 600..	PG-X	.....do.....	
Lake Pepin.....	KTUI	300, 450, 600..	PG-X	.....do.....	
Lake Pewaukee.....	KLEU	300, 600.....	PG-X	.....do.....	
Lake Pickaway....	WKAO	300, 600.....	PG-X	.....do.....	
Lake Pleasant.....	KXEA	300, 600.....	PG-X	.....do.....	
Lake Saba.....	KOS	300, 600.....	PG-X	.....do.....	
Lake Sanford.....	KXEI	300, 600.....	PG-X	.....do.....	
Lake Saport.....	KEZB	300, 600.....	PG-X	.....do.....	
Lake Savus.....	KOCB	300, 450, 600..	PG-X	.....do.....	
Lake Sebago.....	KLUE	300, 600.....	PG-X	.....do.....	
Lake Shawano.....	KLOU	300, 600.....	PG-X	.....do.....	
Lakeshore.....	KDIV	300, 600.....	PG-X	.....do.....	
Lake Silver.....	KHE	300, 600.....	PG-X	.....do.....	
Lake Singara.....	KITQ	300, 600.....	PG-X	.....do.....	
Lake Slavi.....	KOTJ	300, 600.....	PG-X	.....do.....	S. O. R. S.
Lake Stirling.....	KDJE	300, 450, 600..	PG-X	Richmond-New York S. S. Co.	R. C. of A.
Lake Strabo.....	KEBR	300, 450, 600..	PG-X	U. S. S. B.....	
Lake St. Clair.....	WNL	300, 450, 600..	PG-X	.....do.....	
Lake St. Regis.....	KLEE	300, 600.....	PG-X	.....do.....	Do.
Lake Strymon.....	KONS	300, 450, 600..	PG-X	.....do.....	
Lake Sunapee.....	KLIU	300, 600.....	PG-X	.....do.....	
Lake Superior.....	KDIT	300, 600.....	PG-X	.....do.....	S. O. R. S.
Lake Tippah.....	KOVC	300, 600.....	PG-X	.....do.....	I. W. T. Co.
Lake Traverse.....	KDJD	300, 600.....	PG-X	.....do.....	
Lake Treba.....	KOSQ	300, 600.....	PG-X	.....do.....	Do.
Lake Tulare.....	WDX	300, 600.....	PG-X	Internat. Coal Trans. Corp.	Do.
Lakeview.....	KDIX	300, 600.....	PG-X	U. S. S. B.....	
Lakeville.....	KXEU	300, 600.....	PG-X	.....do.....	
Lake Washburn.....	KREI	300, 600.....	PG-X	.....do.....	
Lake Weir.....	KDIW	300, 600.....	PG-X	.....do.....	
Lake Wilson.....	KZAO	300, 600.....	PG-X	.....do.....	
Lake Winimco.....	KSOL	300, 450, 600..	PG-X	.....do.....	
Lake Winona.....	KLAU	300, 600.....	PG-X	.....do.....	
Lake Winooski.....	KZIE	300, 600.....	PG-X	.....do.....	
Lake Winthrop.....	KZAI	300, 600.....	PG-X	.....do.....	
Lakewood.....	KDJC	300, 600.....	PG-X	.....do.....	
Lake Yahara.....	KZAU	300, 450, 600..	PG-X	.....do.....	
Lake Yelverton.....	KVOO	300, 600.....	PG-X	.....do.....	
Lake Yemassee.....	KTOO	300, 600.....	PG-X	.....do.....	
Lake Ypsilonlanti.....	WKEI	300, 600.....	PG-X	.....do.....	
Lake Zaliski.....	WKAI	300, 600.....	PG-X	.....do.....	
Lampasas.....	KEP	300, 450, 600..	PG-N	Mallory S. S. Co.....	
Lancaster.....	KQUE	300, 600.....	PG-X	Imperial Shipping Corp.	
Lansdowne.....	KONP	300, 600.....	PG-X	U. S. S. B.....	
Lansing.....	WTC	300, 600 1800	PG-X	Union S. S. Co.....	F. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
La Placencia.....	KDPX	300, 600.....	PG-X	Union Oil Co.	R. C. of A., F. T. Co.
La Purisima.....	KDVJ	300, 600, 1800.	PG-X	.....do.....	
Las Vegas.....	KUQM	300, 450, 600.....	PG-X	U. S. S. B.....	
Latham.....	KURR	300, 450, 600.....	PG-X	.....do.....	
Latonche.....	WAI	300, 600.....	PG-X	Alaska S. S. Co.	S. O. R. S.
Laurel.....	WTUE	300, 600.....	PG-N	U. S. S. B.....	
Lavada.....	KDFV	300, 450, 600.....	PG-X	.....do.....	
Lehigh.....	KINM	300, 450, 600.....	PG-X	.....do.....	
Lena Luckenbach.....	KDED	300, 450, 600.....	PG-X	Luckenbach S. S. Co.	R. C. of A.
Lenape.....	KVL	300, 600.....	PG-N	Clyde S. S. Co.	I. W. T. Co.
Levant Arrow.....	KDVF	300, 450, 600.....	PG-X	Standard Transpn. Co.	R. C. of A.
Levi G. Burgess.....	WOX	300, 600.....	PG-X	Alaska-Portland Pkrs. Assn.	Owner of vessel.
Levisa.....	KDL	300, 600.....	PG-X	United Fruit S. S. Corp.	T. R. T. Co.
Lewis K. Thurlow.....	KXY	300, 450, 600.....	PG-X	Crowell & Thurlow S. S. Co.	Owner of vessel.
Lewis Luckenbach.....	WF0E	300, 450, 600.....	PG-N	Luckenbach S. S. Co.	S. O. R. S.
Lexington.....	KNB	300, 550, 600.....	PG-X	Colonial Navigation Co.	R. C. of A.
Libby Maine.....	KDV	300, 450, 535, 600.....	PG-X	Libby, McNeill & Libby.	S. O. R. S.
Liberator.....	KDTA	300, 600.....	PG-N	Lybeck Ocean Harvester Co.	
Liberator.....	KRIU	300, 600.....	PG-N	U. S. S. B.....	Do.
Liberty.....	WC00	300, 600.....	PG-N	.....do.....	
Liberty Bell.....	KUJX	300, 450, 600.....	PG-X	.....do.....	
Liberty Glo.....	KIQZ	300, 450, 600.....	PG-X	.....do.....	
Liberty Land.....	KISS	300, 450, 600.....	PG-X	.....do.....	
Liberty Minquas.....	KUBJ	300, 450, 600.....	PG-X	.....do.....	
Liebre.....	KDPG	300, 600.....	PG-X	General Petroleum Co.	Owner of vessel.
Lightburne.....	KIVF	300, 600.....	PG-X	Texas Co.	I. W. T. Co.
Ligonier.....	KTD	300, 600.....	PG-X	Gulf Refining Co.	Do.
Lillian.....	KUGZ	300, 450, 600.....	PG-X	A. H. Buhl S. S. Co.	Do.
Lilmoe.....	KDHU	300, 450, 600.....	PG-X	U. S. Mex. Oil Corp.	S. O. R. S.
Limon.....	KDR	300, 450, 600.....	PG-X	United Fruit S. S. Corp.	T. R. T. Co.
Lio.....	KDSO	300, 600, 1800.	PG-X	U. S. S. B.....	S. O. R. S.
Lithopolis.....	WQE4	300, 600.....	PG-X	.....do.....	
Livingstone Roe.....	KDOD	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	R. C. of A.
L. J. Drake.....	WZAQ	300, 450, 600.....	PG-X	.....do.....	Do.
Lockport.....	KIXM	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Loilomi.....	KDWB	300, 600.....	PG-X	Rodman Wanamaker	
Lorsain.....	KIFZ	300, 450, 600.....	PG-X	U. S. S. B.....	
Lordship Manor.....	KIXN	300, 600.....	PG-X	.....do.....	
Loretta.....	KUXF	300, 450, 600.....	PG-X	.....do.....	
Lorraine Cross.....	KDDE	300, 450, 600.....	PG-X	.....do.....	
Los Angeles.....	WOL	300, 600, 1800.	PG-X	Union Oil Co.	R. C. of A., F. T. Co.
Louise.....	KUKN	300, 600.....	PG-X	E. D. Burge.	Owner of vessel.
Louisiana.....	KUL	300, 450, 600.....	PG-X	Texas Co.	I. W. T. Co.
Louis R. Davidson.....	KDUH	300, 600.....	PG-X	American S. S. Co.	
Louisville Bridge.....	KIDP	300, 600.....	PG-X	U. S. S. B.....	
Lubrico.....	KDUC	300, 450, 600, 1800.....	PG-X	.....do.....	
Luella.....	KLAA	300, 600.....	PG-X	.....do.....	
Lurlin.....	WML	300, 450, 600.....	PG-N	Matson Navigation Co.	R. C. of A.
Luxpalile.....	KIPV	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Luzon.....	KDRU	300, 600.....	PG-X	Fernandez Hermanos	
Lycoming.....	KOMK	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Lydia.....	WROK	300, 450, 600.....	PG-X	Lydin S. S. Co.	F. T. Co.
Lyman Stewart.....	WTL	300, 600, 1800.	PG-X	Union Oil Co.	Owner of vessel.
Lyndonia.....	KULZ	300, 600.....	PG-X	C. H. K. Curtis.	R. C. of A.
M. A. Bradley.....	WQH	300, 600.....	PG-X	Harvey H. Brown & Co.	S. O. R. S.
Magmeric.....	KOJS	300, 600.....	PG-X	U. S. S. B.....	
Magunkook.....	WJUG	300, 600.....	PG-N	.....do.....	
Mahauna.....	KKP	300, 600.....	PG-X	.....do.....	
Maiden Creek.....	KIPX	300, 450, 600.....	PG-X	.....do.....	R. C. of A.
Maine.....	KUQ	300, 450, 600.....	PG-X	.....do.....	Do.
Mainland No. 1.....	WLE	300, 600.....	PG-X	Toronto, Hamilton & Buffalo Navigation Co.	
Major Wheeler.....	WFII	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Manatawny.....	KDFM	300, 600.....	PG-X	.....do.....	
Manatee.....	KURN	300, 450, 600.....	PG-X	.....do.....	
Manchuria.....	WWE	300, 450, 600.....	PG-N	Atlantic Transport Co.	I. W. T. Co.
Mangore.....	KHP	300, 450, 600.....	PG-X	Guaranty Trust Co.	R. C. of A.
Manham.....	KORS	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Manhattan Island.....	WF0I	300, 450, 600.....	PG-X	Michigan Transportation Co.	R. C. of A.
Manitou.....	WFW	300, 600.....	PG-X	Manitowoc S. S. Corp.	Do.
Manitowoc.....	KRQ	300, 600.....	PG-X	Matson Navigation Co.	S. O. R. S.
Manoa.....	WMQ	300, 450, 600.....	PG-N	.....do.....	R. C. of A.
Manukai.....	KDSF	300, 450, 600.....	PG-N	.....do.....	Do.
Manulani.....	KDRQ	300, 450, 600.....	PG-N	.....do.....	Do.
Maquan.....	KOVD	300, 600, 1800.	PG-X	U. S. S. B.....	S. O. R. S.
Maracaibo.....	KDM	300, 450, 600.....	PG-N	Atlantic & Caribbean Steam Navigation Co.	R. C. of A.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
M. A. Reeb.....	KDUZ	300, 600.....	PG-X	American S. S. Co.....	Owner of vessel.
Margaret.....	KUQS	300, 600.....	PG-X	Red Salmon Canning Co.	Do.
Margaret.....	KZO	300, 450, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Margaret Dollar.....	KDUV	300, 600, 1800.....	PG-X	Dollar S. S. Line.....	Do.
Margus.....	KONG	300, 450, 600.....	PG-X	U. S. S. B.	S. O. R. S.
Marica.....	KNK	300, 600.....	PG-X	do.....	R. C. of A.
Marina.....	KIVD	300, 450, 600.....	PG-N	Bull-Insular S. S. Co.....	Do.
Mariners Harbor.....	KKEU	300, 600.....	PG-X	U. S. S. B.	Do.
Marine.....	KEDJ	300, 450, 600.....	PG-X	do.....	Do.
Marore.....	KDZO	300, 600.....	PG-X	Guaranty Trust Co. of N. Y.	Do.
Marquette and Bessemer No. 2.....	WEX	300, 450, 600.....	PG-X	Marquette & Bessemer Dock & Navigation Co.	Owner of vessel.
Marsodak.....	KOCM	300, 600.....	PG-X	U. S. S. B.	R. C. of A.
Martha Washington.....	KUQF	300, 450, 600.....	PG-N	do.....	Do.
Martinique.....	KUQL	300, 450, 600.....	PG-X	Pioneer S. S. Co.....	I. W. T. Co.
Martin Mullen.....	KDXY	300, 600.....	PG-X	Inter-Coast S. S. Co.....	Do.
Maruba.....	WZEE	300, 600.....	PG-X	Bull-Insular S. S. Co.....	Do.
Mary.....	KTOE	300, 450, 600.....	PG-X	Luckenbach Terminals (Inc.)	R. C. of A.
Mary Luckenbach.....	KDLX	300, 600.....	PG-X	U. S. S. B.	Do.
Masca.....	KIBL	300, 600.....	PG-X	Peninsular & Occidental S. S. Co.	R. C. of A.
Mascotte.....	KOW	300, 600.....	PG-N	U. S. S. B.	Do.
Mason City.....	KUGX	300, 600.....	PG-X	do.....	Do.
Massick.....	KOPF	300, 450, 600.....	PG-X	Pioneer S. S. Co.....	R. C. of A.
Massillon Bridge.....	KONJ	300, 450, 600.....	PG-X	do.....	Do.
Masuda.....	KMII	300, 600.....	PG-X	do.....	I. W. T. Co.
Matanzas.....	WFEE	300, 450, 600.....	PG-X	N. Y. & Cuba Mail S. S. Co.	Do.
Matiniecock.....	KID	300, 600.....	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Matsonia.....	WMP	300, 450, 600.....	PG-N	Matson Navigation Co.	Do.
Mauban.....	KRAE	300, 600.....	PG-N	Compania de Tabocas del Filipinas.	R. C. of A.
Maud F.....	KDBK	300, 600.....	P-X	E. D. Burge.....	Owner of vessel.
Maul.....	WMR	300, 450, 600.....	PG-N	Matson Navigation Co.	R. C. of A.
Mauna Kea.....	KDPD	300, 600.....	PG-X	Inter-Island Steam Nav. Co.	Do.
McCreary County.....	KOQP	300, 600.....	PG-X	U. S. S. B.	I. W. T. Co.
McKeepsport.....	KEXB	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Meanticut.....	KDQH	300, 600, 1800.....	PG-X	do.....	I. W. T. Co.
Medina.....	KEI	300, 450, 600.....	PG-X	Mallory S. S. Co.	U. S. S. B.
Medon.....	KDID	300, 600.....	PG-X	do.....	R. C. of A.
Melrose.....	KZWF	300, 450, 600.....	PG-X	N. Eng. Fuel & Transpn. Co.	Do.
Mennnon.....	KDMH	300, 600.....	PG-X	U. S. S. B.	Owner of vessel.
Memphis.....	KDVY	300, 600.....	PG-X	Inland & Coastwise Waterways Service.	R. C. of A.
Memphis City.....	KDTR	300, 450, 600.....	PG-X	U. S. Steel Products Co.	Do.
Menominee.....	KODL	300, 450, 600.....	PG-X	U. S. S. B.	I. W. T. Co.
Mercer.....	KEPF	300, 450, 600.....	PG-X	do.....	Do.
Merger Victory.....	KIVG	300, 600.....	PG-X	do.....	S. O. R. S.
Meriden.....	KILP	300, 476, 600.....	PG-X	General S. S. Corporation.	Do.
Merrimack.....	KQM	300, 450, 600.....	PG-N	Merchants & Miners Trans. Co.	T. R. T. Co.
Merry Mount.....	KOGX	300, 450, 600.....	PG-X	U. S. S. B.	R. C. of A.
Metapan.....	KLF	300, 600.....	PG-N	United Fruit Co.	Do.
Meteor.....	KDYJ	300, 600.....	PG-X	Meteoro S. S. Co.	Do.
Meton.....	KDBM	300, 600.....	PG-X	U. S. S. B.	United Am. Lines.
Mevania.....	KDCU	300, 600, 1800.....	PG-X	do.....	R. C. of A.
Mexican.....	WKL	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.	Pierce Oil Corp.
Mexicano.....	KGM	300, 450, 600.....	PG-X	N. Y. & Cuba Mail S. S. Co.	I. W. T. Co.
Mexico.....	KWX	300, 450, 600.....	PG-N	Pan-Amer. Petr. & Trans. Co.	R. C. of A.
Mexoil.....	WQIA	300, 600.....	PG-X	Standard Oil Co.	Do.
M. F. Elliott.....	KDNK	300, 600.....	PG-X	Peninsular & Occidental S. S. Co.	Do.
Miami.....	KOZ	300, 600.....	PG-N	U. S. S. B.	Do.
Middlebury.....	KZAA	300, 600.....	PG-X	Coastwise Transpn. Co.	Do.
Middlesex.....	WRO	300, 450, 600.....	PG-X	U. S. S. B.	I. W. T. Co.
Miller County.....	KERX	300, 600.....	PG-X	A. H. Bull S. S. Co.	Philippines Insular Govt.
Millinocket.....	KNM	300, 600.....	PG-X	Grand Trunk Car Ferry Line.	R. C. of A.
Milwaukee.....	KEXS	300, 600.....	PG-X	U. S. S. B.	Grace S. S. Co.
Milwaukee Bridge.....	KIBF	300, 600.....	PG-X	do.....	Atlantic Transport Co.
Mindoro.....	KDRS	300, 600.....	PG-X	do.....	I. W. T. Co.
Mineola.....	KSEE	300, 450, 600.....	PG-X	do.....	United Am. Lines.
Minnekahda.....	KDKK	300, 450, 600, 1800	PG-N	do.....	R. C. of A.
Minnequa.....	KIVB	300, 450, 600.....	PG-X	U. S. S. B.	Do.
Minnesota.....	WEK	300, 600.....	PG-X	do.....	I. W. T. Co.
Minnesota.....	WMT	300, 450, 600.....	PG-N	Atlantic Transport Co.	United Am. Lines.
Minnesotan.....	WKM	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.	R. C. of A.
Minnewawa.....	KOPG	300, 600.....	PG-X	U. S. S. B.	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Minooka.....	KOZN	300, 450, 600..	PG-X	U. S. S. B.....	
Miskianza.....	KOZM	300, 600.....	PG-X	do.....	R. C. of A.
Missouri.....	WFX	300, 600.....	PG-N	Michigan Transpn. Co.....	United Am. Lines.
Missourian.....	KFAA	300, 600.....	PG-X	American-Hawaiian S. S. Co.....	
Mitchell.....	KOTF	300, 600.....	PG-X	U. S. S. B.....	
M. J. Scanlon.....	WJAO	300, 450, 600..	PG-X	do.....	
M. M. Davis.....	KDAG	300, 450, 600..	PR-X	C. E. Davis Packing Co.....	Owner of vessel.
Mobile City.....	KDCP	300, 450, 600..	PG-X	U. S. Steel Products Co.....	R. C. of A.
Moffitt.....	KDME	300, 600.....	PG-X	U. S. S. B.....	
Mohawk.....	KVM	300, 450, 600..	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Mohawk.....	KXE	300, 550, 600..	PG-X	New England S. S. Co.....	Do.
Mohawk.....	KYU	300, 600.....	P-X	Ralph E. Barry.....	Owner of vessel.
Mohegan.....	KXM	300, 450, 530, 600	PG-X	New England S. S. Co.....	I. W. T. Co.
Mohinkis.....	KUKP	300, 450, 600..	PG-X	U. S. S. B.....	
Moline.....	KEXN	300, 600.....	PG-X	do.....	Owner of vessel.
Momus.....	KKM	300, 600.....	PG-N	Southern Pacific Co.....	
Monana.....	KFEQ	300, 450, 600..	PG-X	U. S. S. B.....	
Monasses.....	KILX	300, 600.....	PG-X	do.....	I. W. T. Co.
Mongolia.....	WWN	300, 600.....	PG-N	Atlantic Transport Co.....	Do.
Monmouth.....	WXUO	300, 600.....	PG-N	U. S. S. B.....	
Monomac.....	KORP	300, 450, 600..	PG-X	do.....	
Monroe.....	KOSF	300, 600.....	PG-N	do.....	
Montague.....	KOMV	300, 450, 600..	PG-X	do.....	
Montana.....	KOJF	300, 600.....	PG-X	do.....	
Montauk.....	KIXV	300, 450, 600..	PG-X	do.....	
Montclair.....	KVII	300, 600.....	PG-N	U. S. S. B.....	
Montebello.....	KDPR	300, 600.....	PG-X	Union Oil Co.....	R. C. of A.
Monterey.....	KWY	300, 450, 600..	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Montfaucon.....	KUQZ	300, 600.....	PG-X	Independent S. S. Co.....	
Montgomery.....	KIJP	300, 450, 600..	PG-X	U. S. S. B.....	
Montgomery City.....	KDJZ	300, 450, 600..	PG-X	U. S. Steel Products Co.....	R. C. of A.
Monticello.....	WLJ	300, 450, 600..	PG-X	U. S. S. B.....	United Am. Lines.
Montpelier.....	WLZ	300, 450, 600..	PG-X	do.....	Do.
Montrolite.....	WEQ	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Moonlite.....	KPL	300, 450, 600..	PG-X	Pacific S. S. Co.....	Do.
Moosehauscic.....	KOGD	300, 600.....	PG-X	U. S. S. B.....	
Mooitsauka.....	KOKG	300, 600.....	PG-X	do.....	
Moravia Bridge.....	KOZG	300, 450, 600..	PG-X	do.....	
Morriston.....	WGAI	300, 450, 600..	PG-X	do.....	I. W. T. Co.
Morro Castle.....	KWC	300, 600.....	PG-N	N. Y. & Cuba Mail S. S. Co.....	S. O. R. S.
Mosella.....	KDCQ	300, 600, 1800..	PG-X	U. S. S. B.....	
Moshico.....	KOBX	300, 600.....	PG-X	do.....	
Mount Baker.....	KYD	300, 600.....	PG-X	Frank B. Peterson.....	
Mount Carroll.....	KDQT	300, 450, 600..	PG-N	Shawmut S. S. Co.....	United Am. Lines.
Mount Clay.....	KDBX	300, 450, 600, 1800	PG-X	Am. Ship & Com. Nav. Corp.....	Do.
Mount Clinton.....	KDRV	300, 450, 600, 1800	PG-N	Shawmut S. S. Co.....	Do.
Mount Evans.....	KIMT	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Mount Hope.....	KOL	300, 600.....	P-X	Providence, Fall River & New- port Stbt. Co.....	Owner of vessel.
Mount Shasta.....	WHH	300, 450, 600..	PG-X	U. S. S. B.....	
Mount Vernon.....	KDCZ	300, 600.....	PG-N	do.....	
Mt. VernonBridge.....	KWA	300, 600.....	PG-X	do.....	
Mulpuwa.....	KIDJ	300, 600.....	PG-X	do.....	
Multnomah.....	WMA	300, 600.....	PG-N	Multnomah S. S. Co.....	
Munaires.....	WJN	300, 450, 600..	PG-X	Munson S. S. Line.....	R. C. of A.
Munalbro.....	KUX	300, 450, 600..	PG-X	do.....	Do.
Munamar.....	KUI	300, 450, 600..	PG-N	do.....	Do.
Munargo.....	KDWB	300, 450, 600..	PG-N	do.....	Do.
Mundale.....	KUJ	300, 600.....	PG-X	do.....	Do.
Mundelta.....	KUF	300, 450, 600..	PG-X	do.....	Do.
Munindies.....	KVE	300, 450, 600..	PG-X	do.....	Do.
Munisha.....	KJO	300, 600.....	PG-X	do.....	Do.
Munplace.....	KUG	300, 450, 600..	PG-X	do.....	Do.
Munrio.....	KVD	300, 450, 600..	PG-X	do.....	Do.
Munsomo.....	KUK	300, 450, 600..	PG-X	do.....	Do.
Munwood.....	KUH	300, 600.....	PG-X	do.....	Do.
Muriel.....	KDMO	300, 600.....	PG-X	Muriel Motorship Corp.....	
Mursa.....	KDFT	300, 600.....	PG-N	U. S. S. B.....	
Muscatine.....	KJI	300, 600.....	PG-N	do.....	
Muskegon.....	KDGP	300, 600.....	PG-X	Muskegon S. S. Corp.....	S. O. R. S.
Muskogee.....	KIB	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Mystic.....	KHZ	300, 600.....	PG-X	Shawmut S. S. Co.....	United Am. Lines.

# RADIO STATIONS OF THE UNITED STATES.

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## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS— Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Nacata.....	KDMM	300, 600, 1800.	PG-X	U. S. S. B.....	S. O. R. S.
Nacochee.....	KFP	300, 450, 600.	PG-N	Ocean S. S. Co.....	R. C. of A.
Naiwa.....	WCIU	300, 450, 600.	PG-X	U. S. S. B.....	Do.
Nasket.....	KDMI	300, 600.....	PG-X	.....do.....	S. O. R. S.
Nameaug.....	KITN	300, 600.....	PG-X	.....do.....	R. C. of A.
Nanking.....	KKEE	300, 450, 600.	PG-N	China Mail S. S. Co.....	I. W. T. Co.
Nansemond.....	WQR	300, 450, 600.	PG-N	U. S. S. B.....	Owner of vessel.
Nantahala.....	WGIE	300, 600.....	PG-N	.....do.....	S. O. R. S.
Nantasket.....	WLIO	300, 450, 600.....	PG-X	.....do.....	Do.
Nantucket.....	KQN	300, 450, 600.	PG-N	Merchant & Miners Trans. Co.....	Narbo.....
Narbo.....	KDIG	300, 600, 1800.	PG-X	U. S. S. B.....	Narcissus.....
Narcissus.....	KDIH	300, 600, 1800.	PG-X	.....do.....	Narwhal.....
Nashaba.....	KDVP	300, 600.....	PG-X	Philip Shore.....	Natchez.....
Natchez.....	KDSM	300, 600, 1800.	PG-X	U. S. S. B.....	National Bridge.....
Natirar.....	KDJY	300, 600.....	PG-X	Inland & Coastwise Waterways Service.	Naugus.....
Naugus.....	KIBG	300, 450, 600.	PG-X	U. S. S. B.....	Nawitka.....
Nawitka.....	KDKM	300, 450, 600, 1800	PG-X	.....do.....	Nebraskan.....
Nebraskan.....	KUPS	300, 450, 600.....	PG-X	.....do.....	Nedeva II.....
Nedeva II.....	KELZ	300, 600.....	PG-X	.....do.....	Nelson.....
Nelson.....	KXT	300, 450, 600.	PG-X	American-Hawaiian S. S. Co.....	Nemaha.....
Nemaha.....	KDTL	300, 600.....	PG-X	J. F. Lowecock.....	Neponset.....
Neponset.....	KNL	300, 450, 600.	PG-X	Cube Distilling Co.....	Neptune.....
Neptune.....	KUSR	300, 600.....	PG-X	U. S. S. B.....	Nesco.....
Nesco.....	WQIO	300, 600.....	PG-N	.....do.....	Neshaminy.....
Neshaminy.....	KUN	300, 600.....	PG-X	Neptune Line.....	Neshobee.....
Neshobee.....	KEBT	300, 600.....	PG-X	U. S. S. B.....	Neuse.....
Neuse.....	KILN	300, 600.....	PG-N	.....do.....	Nevadan.....
Nevadan.....	KUNK	300, 450, 600.....	PG-X	.....do.....	New Britain.....
New Britain.....	WLT	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.....	Newburgh.....
Newburgh.....	WFF	300, 450, 600.....	PG-X	Great Northwestern Shipping Corp.....	New England.....
New England.....	KIRG	300, 450, 600.....	PG-X	U. S. S. B.....	New Hampshire.....
New Hampshire.....	WZUE	300, 600.....	PG-X	.....do.....	New Haven.....
New Haven.....	KUCB	300, 450, 600.....	PG-X	New England S. S. Co.....	New Jersey.....
New Jersey.....	KXF	300, 600.....	PG-X	.....do.....	New Orleans.....
New Orleans.....	KXN	300, 600.....	PG-X	Texas Co.....	Newport.....
Newport.....	KDWD	300, 600.....	PG-X	U. S. S. B.....	Newton.....
Newton.....	KDFB	300, 450, 600.....	PG-X	Pacific Mail S. S. Co.....	New Windsor.....
New Windsor.....	WWH	300, 600.....	PG-N	U. S. S. B.....	New York.....
New York.....	KZK	300, 450, 600.....	PG-X	N. Eng. Fuel & Transpn. Co.....	Nikau.....
Nikau.....	KGAE	300, 600.....	PG-X	U. S. S. B.....	Nile.....
Nile.....	KSN	300, 450, 600.....	PG-N	United Transatlantic Lines.....	Nipmuc.....
Nipmuc.....	KUW	300, 450, 600.....	PG-X	Texas Co.....	Nipsic.....
Nipsic.....	KOPM	300, 450, 600.....	PG-X	H. K. Goodwin.....	Nishamaha.....
Nishamaha.....	KOSD	300, 450, 600.....	PG-X	U. S. S. B.....	Nobles.....
Nobles.....	KOQX	300, 600.....	PG-N	.....do.....	Nooccalula.....
Nooccalula.....	KDJJ	300, 600.....	PG-X	Madrigal & Co.....	Nockum.....
Nockum.....	KEVM	300, 450, 600.....	PG-X	U. S. S. B.....	Noddle Island.....
Noddle Island.....	KODB	300, 450, 600.....	PG-X	.....do.....	Nokatay.....
Nokatay.....	KORF	300, 600.....	PG-N	.....do.....	Noma.....
Noma.....	KOGJ	300, 600.....	PG-X	.....do.....	Nonantum.....
Nonantum.....	KUKK	300, 450, 600.....	PG-X	.....do.....	Nora.....
Nora.....	KOFC	300, 600.....	PG-X	.....do.....	Norfolk.....
Norfolk.....	KYQ	300, 450, 600.....	PG-X	Rodman Wanamaker.....	Norlina.....
Norlina.....	KLXP	300, 600.....	PG-X	U. S. S. B.....	Norma.....
Norma.....	KDGZ	300, 450, 600.....	PG-X	Grace S. S. Co.....	Norman Bridge.....
Norman Bridge.....	WZUA	300, 450, 600.....	PG-X	Coastwise Transpn. Corp.....	North American.....
North American.....	KJE	300, 450, 600.....	PG-X	Garland S. S. Corp.....	Northern Star.....
Northern Star.....	KEKC	300, 450, 600.....	PG-X	U. S. S. B.....	North Land.....
North Land.....	WIG	300, 450, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.....	Northland.....
Northland.....	WEN	300, 600.....	PG-N	Chicago, Duluth & Georgian Bay S. S. Co.....	North Pines.....
North Pines.....	KOKC	300, 450, 600.....	PG-X	American Star Line.....	North Pole.....
North Pole.....	KJD	300, 600.....	PG-N	Eastern S. S. Lines.....	Northwestern.....
Northwestern.....	WGJ	300, 450, 600.....	PG-X	Atlas S. S. Co.....	Northwestern Bridge.....
Northwestern Bridge.....	WZEU	300, 600.....	PG-X	North Pines S. S. Co.....	North Wind.....
North Wind.....	KELB	300, 600.....	PG-N	U. S. S. B.....	Normubega.....
Normubega.....	WAN	300, 440, 525, 600	PG-N	Alaska S. S. Co.....	Northwood.....
Northwood.....	KONK	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Owner of vessel.	KYB	300, 600.....	P-X	A. C. Burton.....	Owner of vessel.
Owner of vessel.	KOZX	300, 450, 600.....	PG-N	U. S. S. B.....	S. O. R. S.
S. O. R. S.	WSG	300, 450, 525, 600	PG-N & X	Pacific American Fisheries.....	S. O. R. S.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by
Nourmahal.....	KDTI	300, 600.....	PG-X	Vincent Astor.....	R. C. of A.
Nueces.....	KEH	300, 600.....	PG-X	Mallory S. S. Co.....	I. W. T. Co.
Nushagak.....	WNE	399, 400, 600.....	PG & PR-N & X.	Alaska Packers Assn.....	Owner of vessel
Nyanza.....	WJO	300, 600.....	PG-X	U. S. S. B.....	Moore & McCormack
O. A. Hermanson.....	WRA	300, 600.....	PG-X	Sunset Fuel Oil Co.....	
Oakland.....	KM00	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Occidental.....	KUSJ	300, 600.....	PG-X	Texas S. S. Co.....	R. C. of A.
Octorara.....	WCD	300, 450, 600.....	PG-N	Great Lakes Transit Corp.....	
Ogontz.....	KINB	300, 600.....	PG-X	U. S. S. B.....	
Ohioan.....	WKQ	300, 600.....	PG-X	American-Hawaiian S. S. Co.....	
Ohonkara.....	KURV	300, 600.....	PG-X	Carl Tucker.....	
Oklahoma City.....	KUML	300, 450, 600.....	PG-X	U. S. S. B.....	
Oldham.....	KDQG	300, 450, 600.....	PG-X	do.....	R. C. of A.
Olen.....	KINR	300, 450, 600.....	PG-X	do.....	F. T. Co.
Oleum.....	WTD	300, 600, 1800.....	PG-X	Union Oil Co.....	
Oneida.....	KDJO	300, 600.....	PG-X	Independent S. S. Co.....	
Oneida.....	KYP	300, 600.....	P-X	E. C. Benedict.....	Owner of vessel
Onekama.....	KEDK	300, 600.....	PG-X	U. S. S. B.....	
Oneonta.....	WPX	300, 450, 600.....	PG-X	Port of Portland, Oreg.....	S. O. R. S.
Onondaga.....	KDJR	300, 600.....	PG-X	Independent S. S. Co.....	I. W. T. Co.
Ontario.....	KQO	300, 450, 600.....	PG-N	Merchant & Miners Trans. Co.....	R. C. of A.
Opelika.....	KECL	300, 450, 600.....	PG-X	U. S. S. B.....	
Opequan.....	KIBK	300, 600.....	PG-X	do.....	
Ophis.....	KODZ	300, 450, 600.....	PG-X	do.....	
Oransi.....	KOBD	300, 600.....	PG-X	do.....	
Orcus.....	KISC	300, 450, 600.....	PG-X	do.....	
Oregon.....	WGD	300, 600.....	PG-X	Alaska-Pacific Navigation Co.....	
Oregonian.....	WKO	300, 600.....	PG-X	American-Hawaiian S. S. Co.....	
Orient.....	KOLC	300, 450, 600.....	PG-X	Orient S. S. Corp.....	United Am. Lines.
Oriental.....	KDXI	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Orinoco.....	KIMX	300, 450, 600.....	PG-X	Orinoco S. S. Co.....	Do.
Orion.....	WLO	300, 450, 600.....	PG-N	U. S. S. B.....	Do.
Orizaba.....	KMEI	300, 450, 600.....	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Orleans.....	K1DZ	300, 450, 600.....	PG-X	Orleans S. S. Corp.....	R. C. of A.
Ormidale.....	WGB	300, 450, 600.....	PG-X	Charlton B. Hibbard.....	I. W. T. Co.
Oronoke.....	KUNL	300, 600.....	PG-X	U. S. S. B.....	Moore & McCormack
Osage.....	WJU	300, 600.....	PG-X	do.....	
Osaquumsick.....	KEVN	300, 600.....	PG-X	do.....	
Ossawatomie.....	KEVB	300, 600.....	PG-X	do.....	
Oscar D. Bennett.....	WIV	300, 450, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.....	R. C. of A.
Oscoda.....	KEKT	300, 600.....	PG-X	U. S. S. B.....	
Oshkosh.....	WFUU	300, 600.....	PG-X	do.....	
Oskaloosa.....	WJII	300, 600.....	PG-X	do.....	
Oskawa.....	WGUA	300, 600.....	PG-N	do.....	S. O. R. S.
Ossa.....	KUFZ	300, 450, 600.....	PG-X	do.....	R. C. of A.
Ossineke.....	WTW	300, 600.....	PG-N	do.....	Do.
Ossining.....	KEFR	300, 450, 600.....	PG-X	do.....	Do.
Oswego.....	KRK	300, 450, 600.....	PG-X	Union Petroleum S. S. Co.....	Do.
Otho.....	KULX	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Otsego.....	WDG	300, 450, 600, 1800.....	PG-N	do.....	
Otto M. Reiss.....	WNG	300, 600.....	PG-X	Reiss S. S. Co.....	Do.
O. T. Warling.....	KJW	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Outagamie.....	KULS	300, 600.....	PG-X	Standard Oil Co of Ind.....	
Overbrook.....	KLAE	300, 600.....	PG-X	U. S. S. B.....	
Owego.....	KFQ	300, 450, 600.....	PG-X	Winett Operating Co.....	
Ozama.....	WRX	300, 600.....	PG-X	A. G. & W. I. S. S. Lines.....	
Ozaukee.....	WXAA	300, 600.....	PG-N	U. S. S. B.....	
Ozette.....	KEVP	300, 450, 600.....	PG-X	do.....	
Pachet.....	KDCH	300, 600.....	PG-N	do.....	
Pacific.....	KDZV	300, 600.....	PG-X	Argonaut S. S. Co.....	
Padnsey.....	KUQG	300, 600.....	PG-X	U. S. S. B.....	
Pagasset.....	KDHG	300, 600.....	PG-N	do.....	
Palsades.....	KOLV	300, 600.....	PG-N	do.....	
Pallas.....	KUTJ	300, 450, 600.....	PG-X	do.....	
Palo Alto.....	KDCT	300, 450, 600.....	PG-X	do.....	
Panama.....	KMH	300, 450, 600.....	PG-N	Panama R. R. Co.....	Owner of vessel.
Panaman.....	WKR	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.....	United Am. Lines.
Pan America.....	KDWZ	300, 600, 1800.....	PG-N	U. S. S. B.....	S. O. R. S.
Pan-American.....	KUT	300, 450, 600,... 600.....	PG-X	Texas S. S. Co.....	R. C. of A.
Panay.....	KEMJ	300, 450, 525,... 600.....	PG-N	Madrigal & Co.....	
Panoll.....	KUQC	300, 600.....	PG-X	Pan-Amer. Petr. & Trans. Co.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Panola.....	WMUO	300, 450, 600..	PG-X	U. S. S. B.....	
Pansa.....	KUZN	300, 600..	PG-X	.....do.....	R. C. of A.
Panuco.....	KMM	300, 450, 600..	PG-X	Sinclair Navigation Co.....	I. W. T. Co.
Panuco.....	KWM	300, 450, 600..	PG-X	N. Y. & Cuba Mail S. S. Co.....	R. C. of A.
Paraguay.....	KTT	300, 600..	PG-X	Sun Co.....	Owner of vessel.
Paraiso.....	WRI	300, 600..	PG-X	Oliver J. Olson.....	R. C. of A.
Paria.....	KOKQ	300, 450, 600..	PG-X	U. S. S. B.....	T. R. T. Co.
Parismina.....	KDG	300, 600..	PG-N	United Fruit S. S. Corp.....	
Parksville.....	KIZG	300, 450, 600..	PG-X	U. S. S. B.....	
Pasadena.....	KMEU	300, 600..	PG-X	.....do.....	
Passaic Bridge.....	KIBJ	300, 600..	PG-X	.....do.....	
Pastores.....	KLA	300, 600..	PG-N	United Fruit S. S. Corp.....	R. C. of A.
Patricia.....	KDTX	300, 450, 600..	PG-X	James Shewan.....	Do.
Patrick Henry.....	KUPM	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Patrol.....	KIN	300, 400, 600..	P-N	Police Dept., city of N. Y.....	Owner of vessel.
Paul H. Harwood.....	KJIO	300, 600..	PG-X	Pan-Amer. Petr. & Trans. Co.....	R. C. of A.
Paulsboro.....	KRS	300, 450, 600..	PG-X	Vacuum Oil Co.....	Do.
Pawlet.....	KUBL	300, 600..	PG-X	U. S. S. B.....	
Pawnee.....	WLW	300, 600..	PG-X	.....do.....	
Pawtucket.....	KINZ	300, 450, 600..	PG-X	.....do.....	
Peacock.....	KDKY	300, 600..	PG-X	.....do.....	
Pearlodon.....	KDLC	300, 450, 600..	PG-X	U. S. Mex. Oil Corp.....	S. O. R. S.
Pearl Shell.....	WIC	300, 600..	PG-X	Pearl Shell S. S. Co.....	R. C. of A.
Peconic.....	KDAF	300, 450, 600..	PR-X	C. E. Davis Packing Co.....	Owner of vessel.
Peekskill.....	KOMX	300, 600..	PG-X	U. S. S. B.....	R. C. of A.
Pennant.....	KME	300, 450, 600..	PG-X	Pierce Oil Corp.....	I. W. T. Co.
Pennsylvania.....	KUP	300, 600..	PG-X	Texas S. S. Co.....	United Am. Lines.
Pennsylvanian.....	WKP	300, 600..	PG-X	American-Hawaiian S. S. Co.....	R. C. of A.
Penobscot.....	WXOI	300, 600..	PG-X	Penobscot S. S. Co.....	
Pequonock.....	KXP	300, 550, 600..	PG-N	New England S. S. Co.....	
Pequot.....	WLX	300, 600..	PG-X	U. S. S. B.....	
Peralta.....	KDMJ	300, 600..	PG-X	.....do.....	
Pere Marquette.....	WDA	300, 600..	PG-X	Pere Marquette R. R. Co.....	Do.
Pere Marquette 8.....	KINL	300, 600..	PR-X	.....do.....	
Pere Marquette 17.....	WDC	300, 600..	PG-X	.....do.....	Do.
Pere Marquette 18.....	WDD	300, 600..	PG-X	.....do.....	Do.
Pere Marquette 19.....	WDB	300, 600..	PG-X	.....do.....	Do.
Pere Marquette 20.....	WDE	300, 600..	PG-X	.....do.....	Do.
Perfection.....	KTN	300, 600..	PG-X	Standard Oil Co. of N. Y.....	I. W. T. Co.
Persian.....	KQX	300, 450, 600..	PG-N	Merchants & Miners Trans. Co.....	R. C. of A.
Peter H. Crowell.....	KEXT	300, 450, 600..	PG-X	Crowell & Thurlow S. S. Co.....	Do.
Peter Reiss.....	WNX	300, 600..	PG-X	North American S. S. Co.....	Do.
Petoskey.....	WDH	300, 600..	PG-X	Chicago & S. Haven S. S. Co.....	Do.
Philadelphia.....	KDA	300, 450, 600..	PG-N	Atlante & Caribbean Steam Navigation Co.....	Do.
Philadelphia.....	KSM	300, 600..	PG-N	Int'l. Mercantile Marine Co.....	I. W. T. Co.
Philippines.....	WAV	300, 600..	PG-N	U. S. S. B.....	R. C. of A.
Philip Publicker.....	KDEW	300, 450, 600..	PG-X	Waterfront Service Co.....	
Phoenix.....	WJEQ	300, 600..	PG-X	U. S. S. B.....	
Phoenix Bridge.....	WFOU	300, 600..	PG-X	.....do.....	
Pilgrim.....	KFAH	300, 600..	PG-N	Wm. L. Elkins.....	
Pilgrim.....	KURS	300, 600..	PG-N	Chic., Racine & Mil. S. S. Co.....	Do.
Pinellas.....	KULB	300, 600..	PG-X	U. S. S. B.....	S. O. R. S.
Pine Tree State.....	KDUT	300, 450, 600, 1800	PG-N	.....do.....	
Pioneer.....	KIG	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Pioneer.....	KUSL	300, 600..	PG-X	Stuart Packing Co.....	Owner of vessel.
Pioneer.....	WPN	300, 600..	PG-X	Puget Sound Tug Boat Co.....	Do.
Pipstone County.....	KIMZ	300, 450, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Pisco.....	KEQV	300, 600..	PG-X	.....do.....	
Pittsburgh Bridge.....	KUKL	300, 450, 600..	PG-X	.....do.....	
P. J. Reilly.....	KDMY	300, 450, 600..	PG-X	Nat. Oil & Transport Co.....	Do.
Plainfield.....	WJEI	300, 600..	PG-X	U. S. S. B.....	Do.
Playa.....	KDTE	300, 600..	PG-X	Union Oil Co.....	R. C. of A.
Pleiades.....	WNP	300, 450, 600..	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Plow City.....	KUCC	300, 600..	PG-X	U. S. S. B.....	
Plymouth.....	KND	300, 450, 600..	PG-X	Green Star S. S. Corp.....	R. C. of A.
Plymouth.....	KXH	300, 450, 530, 600	PG-X	New England S. S. Co.....	I. W. T. Co.
Pocahontas.....	KDOX	300, 450, 600..	PG-N	U. S. S. B.....	
Pocantico.....	KDQQ	300, 600..	PG-X	Baron G. Collier.....	S. O. R. S.
Point Adams.....	WES	300, 600..	PG-X	Pacific Mail S. S. Co.....	F. T. Co.
Point Arena.....	WHP	300, 600..	PG-X	U. S. S. B.....	
Point Bonita.....	WMT	300, 600..	PG-X	Pacific Mail S. S. Co.....	Do.
Point Judith.....	KPAA	300, 600..	PG-X	.....do.....	Do.
Point Lobos.....	KJUT	300, 600..	PG-X	.....do.....	Do.
Point Loma.....	WAU	300, 600..	PG-X	U. S. S. B.....	
Polar Bear.....	WGQE	300, 600..	PG-N	.....do.....	
Polarine.....	KOI	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	R. C. of A.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Polar Sea.....	KSOA	300, 600.....	PG-N	U. S. S. B.....	
Polar Star.....	KELC	300, 450, 600.....	PG-N	do.....	
Poilio.....	KDVB			Philippine Insular Govt.....	
Polybius.....	KIGL	300, 600.....	PG-N	U. S. S. B.....	
Polynesia.....	KDXN	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. of A.
Pomona.....	KDAT	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Ponce.....	KGP	300, 450, 600.....	PG-N	N. Y. & Porto Rico S. S. Co.	I. W. T. Co.
Pontia.....	KIPC	300, 600.....	PG-X	U. S. S. B.....	
Portola Plumas.....	KUMN	300, 450, 600.....	PG-X	do.....	
Porto Rico.....	WJG	300, 600.....	PG-N	do.....	R. C. of A.
Portsmouth.....	KOJV	300, 600.....	PG-N	do.....	
Potomac.....	KOKN	300, 450, 600.....	PG-N	do.....	
Potter.....	KDFC	300, 600.....	PG-X	do.....	
Poughkeepsie.....	KEZZ	300, 600.....	PG-X	do.....	
Poznam.....	WLY	300, 450, 600.....	PG-N	Luckenbach S. S. Co.....	
President.....	WGP	300, 550, 600.....	PG-N	Pacific S. S. Co.....	Do.
President Adams.....	KDRL	300, 600, 1800.....	PG-N	U. S. S. B.....	I. W. T. Co.
President Arthur.....	WLS	300, 450, 600.....	PG-N	do.....	Do.
President Cleve- land.....	KDCM	300, 450, 600, 1800	PG-N	do.....	S. O. R. S.
President Fillmore.....	KDCI	300, 600.....	PG-N	do.....	Do.
President Garfield.....	KDTC	300, 450, 600.....	PG-N	do.....	I. W. T. Co.
President Hayes.....	KDLB	300, 450, 600.....	PG-N	do.....	Do.
President Jackson.....	KDPA	300, 450, 600, 1800	PG-N	do.....	S. O. R. S.
President Jefferson.....	KDOT	300, 450, 600, 1800	PG-N	do.....	Do.
President Lincoln.....	KDUY	300, 450, 600, 1800	PG-N	do.....	Do.
President Madison.....	KDVR	300, 600.....	PG-N	do.....	Do.
President McKin- ley.....	KDSL	300, 450, 600.....	PG-N	do.....	Do.
President Monroe.....	KDAR	300, 450, 600.....	PG-N	do.....	Do.
President Pierce.....	KDNV	300, 450, 600, 1800	PG-N	do.....	Do.
President Polk.....	KDOZ	300, 450, 600.....	PG-N	do.....	R. C. of A.
President Roose- velt.....	KDWS	300, 450, 600, 1800	PG-N	do.....	S. O. R. S.
President Taft.....	KDWK	300, 600.....	PG-N	do.....	Do.
President Van Buren.....	KDHF	300, 450, 600.....	PG-N	do.....	R. C. of A.
President Wilson.....	KDSV	300, 450, 600, 1800	PG-N	do.....	S. O. R. S.
Price McKinney.....	KDXR	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. of A.
Princess.....	KGT	300, 600.....	PG-X	Archibald M. Ostrom.....	S. O. R. S.
Princeton.....	KST	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Priscilla.....	KXI	300, 450, 550, 600	PG-N	New England S. S. Co.....	I. W. T. Co.
Proctor.....	KEPQ	300, 600.....	PG-X	U. S. S. B.....	
Providence.....	KXJ	300, 450, 550, 600	PG-X	New England S. S. Co.....	Do.
Provincetown.....	KDFE	300, 600.....	PG-N	U. S. S. B.....	
Prusa.....	KELQ	300, 450, 600.....	PG-X	do.....	R. C. of A.
Puente.....	KDSS	300, 450, 600.....	PG-X	Union Oil Co.....	Do.
Puget Sound.....	WER	300, 600.....	PG-X	U. S. S. B.....	Do.
Puritan.....	WDU	300, 600.....	PG-X	Chic., Racine & Mil. Line	
Putnam.....	KIXQ	300, 600.....	PG-X	U. S. S. B.....	
Python.....	WNIO	300, 450, 600.....	PG-X	do.....	
Quabbin.....	KUJZ	300, 450, 600.....	PG-X	do.....	
Quaker City.....	KOZL	300, 600.....	PG-X	do.....	
Quantico.....	KQQ	300, 450, 600.....	PG-X	Merchants & Miners' Trans. Co.	S. O. R. S.
Queen.....	WGX	300, 600.....	PG-N	Pacific S. S. Co.....	I. W. T. Co.
Queen II.....	WOY	400.....	P-X	Central Illinois Public Serv- ice Co.	R. C. of A.
Quillwark.....	KUZM	300, 450, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Quinault.....	KDND	300, 600.....	PG-X	Hart-Wood Lumber Co.....	Do.
Quinnipiac.....	KOQT	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Quistconck.....	WREI	300, 450, 600.....	PG-X	do.....	
Quittacas.....	WRUO	300, 600.....	PG-X	do.....	
Radiant.....	KTR	300, 450, 600.....	PG-X	Standard Oil Co. of N. Y.....	R. C. of A.
Radnor.....	KJUE	300, 470, 600.....	PG-X	U. S. S. B.....	Do.
Rainier.....	WRZ	300, 600.....	PG-X	Atlas S. S. Co.....	S. O. R. S.
Rajah.....	WAO	300, 600.....	PG-X	Rajah S. S. Co.....	R. C. of A.
Ransom B. Fuller.....	KRF	300, 600.....	PG-X	Eastern S. S. Lines.....	Do.
Rappahannock.....	WQQ	300, 600.....	PG-N	U. S. S. B.....	
Rayo.....	KTL	300, 600.....	PG-X	Standard Oil Co. of N. Y.....	Do.
Reaper.....	KDLG	300, 450, 600,... 600	PG-X	Texas S. S. Co.....	
Red Hook.....	KDDA	300, 450, 525,... 600	PR-X	Erie Basin Towing & Hoist- ing Co.	S. O. R. S.
Red Mountain.....	KOTQ	300, 450, 600.....	PG-X	U. S. S. B.....	

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Redondo.....	KYT	300, 450, 600...	PG-X	Redondo S. S. Co.....	Owner of vessel.
Redondo.....	WBM	300, 600...	PG-X	Alaska S. S. Co.....	S. O. R. S.
Redwood.....	WSD	300, 450, 525, 600	PG-N & X.	Pac. Am. Fisheries Co.....	Do.
Relay.....	KVZ	300, 450, 600...	P-X	Mexican Telegraph Co.....	Owner of vessel.
Reliance.....	KDYE	300, 450, 600, 1800	PG-N	Atlantic Mail Corp.....	United Am. Lines.
Relief.....	KRJ	300, 600.....	PG-X	Merritt & Chapman D. & W. Co.	S. O. R. S.
Remlik III.....	KZR	300, 600.....	PG-X	Willis S. Kilmer.....	Owner of vessel.
Remus.....	KEBX	300, 600...	PG-X	U. S. S. B.....	I. W. T. Co.
Republic.....	WSU	300, 450, 600...	PG-X	Chile S. S. Co.....	United Am. Lines.
Resolute.....	KDYA	300, 600, 1800	PG-N	Atlantic Mail Corp	Owner of vessel.
Resolute.....	KRM	300, 450, 600...	PG-X	Merritt & Chapman D. & W. Co.	R. C. of A.
Restorer.....	WIU	300, 450, 600...	P-N	Com. Pac. Cable Co.....	Owner of vessel.
Reuce.....	WSR	300, 525, 600...	PG-X	Columbia River P.'s Assn.....	R. C. of A.
Richard J. Reiss.....	WNK	300, 600...	PG-X	Reiss S. S. Co.....	Owner of vessel.
Richard Peck.....	KXR	300, 600...	PG-X	New England S. S. Co.....	I. W. T. Co.
Richconcal.....	KUTX	300, 600...	PG-X	U. S. S. B.....	Owner of vessel.
Richmond.....	KDOQ	300, 450, 600...	PG-X	I. H. Aiken Tr. & Towing Co.	R. C. of A.
Richmond.....	WTR	300, 600...	PG-X	Standard Oil Co. of Calif.....	Owner of vessel.
Rio Grande.....	KEG	300, 600...	PG-X	Mallory S. S. Co.....	R. C. of A.
Ripon.....	KUGM	300, 450, 600...	PG-X	U. S. S. B.....	Owner of vessel.
Ripple.....	KUDN	300, 450, 600...	PG-X	A. J. McAllister.....	I. W. T. Co.
Riverside Bridge.....	KUCD	300, 600...	PG-X	U. S. S. B.....	S. O. R. S.
R. J. Hanna.....	KDRD	300, 600...	PG-X	Standard Oil Co. of Calif.....	R. C. of A.
Roanoke.....	KOJV	300, 600...	PG-X	Texas S. S. Co.....	I. W. T. Co.
Robert E. Hopkins.....	KDVE	300, 600...	PG-X	Tidewater Oil Co.....	R. C. of A.
Robt. M. Thompson.....	KNW	300, 600...	PG-X	American Trans. Co.....	Owner of vessel.
Robert P. Clark.....	KTH	300, 450, 600...	PG-X	Gulf Refining Co.....	I. W. T. Co.
Robin Adair.....	KOVN	300, 450, 600...	PG-X	Seas Shipping Co.....	S. O. R. S.
Robin Goodfellow.....	KUBN	300, 600...	PG-X	Robin Line S. S. Co.....	Do.
Robin Gray.....	KOXT	300, 440, 525, 600	PG-X	.....do.....	Do.
Robin Hood.....	KOTM	300, 440, 525, 600	PG-X	Seas Shipping Co.....	Do.
Rochester.....	KUTZ	300, 600...	PG-X	Vacuum Oil Co.....	R. C. of A.
Rockaway Park.....	KIZZ	300, 450, 600...	PG-X	U. S. S. B.....	I. W. T. Co.
Rock Island.....	KIND	300, 600...	PG-X	.....do.....	Owner of vessel.
Rockport.....	KOZD	300, 450, 600...	PG-X	.....do.....	Do.
Rodman Swift.....	KDKQ	200, 300, 600...	PR-X	Submarine Signal Co.....	R. C. of A.
Romagne.....	KDJX	300, 600...	PG-X	Independent S. S. Co.....	Owner of vessel.
Romulus.....	KIDR	300, 600...	PG-X	U. S. S. B.....	Do.
Rose City.....	WWR	300, 600...	PG-N	S. Fran. & Portland S. S. Co.	R. C. of A.
Rose Mahoney.....	KSAE	300, 600...	PG-X	Andrew F. Mahoney.....	Do.
Rotarian.....	KDCF	300, 600...	PG-X	U. S. S. B.....	Do.
Royal Arrow.....	KSW	300, 450, 600...	PG-N	Standard Trans. Co.....	Owner of vessel.
Ruby.....	KOBC	300, 600...	PG-X	American Trans. Co.....	Do.
Rush.....	WNR	300, 440, 525, 600	PG-X	Everett Packing Co.....	Do.
Rushville.....	KUDS	300, 600...	PG-X	U. S. S. B.....	I. W. T. Co.
Ruth.....	KZQ	300, 450, 600...	PG-X	A. H. Bull S. S. Co.....	R. C. of A.
Ruth Alexander.....	WDR	300, 450, 600...	PG-X	Robert Dollar Co.....	Owner of vessel.
Ruth E. Merrill.....	KQU	300, 450, 600...	PG-X	A. W. Frost.....	I. W. T. Co.
Sabine.....	KEB	300, 450, 600...	PG-N	Mallory S. S. Co.....	R. C. of A.
Sabine Sun.....	WLQ	300, 450, 600...	PG-X	Sun Co.....	S. O. R. S.
Sabotawan.....	KIJJ	300, 600...	PG-X	U. S. S. B.....	R. C. of A.
Sacandaga.....	KESC	300, 450, 600...	PG-X	.....do.....	I. W. T. Co.
Saccarappa.....	WG0I	300, 600...	PG-X	.....do.....	Do.
Sac City.....	KEFB	300, 450, 600...	PG-X	.....do.....	I. W. T. Co.
Saco.....	KEPT	300, 450, 600...	PG-X	.....do.....	S. O. R. S.
Sacramento.....	KWV	300, 600...	PG-X	Sacramento S. S. Co.....	R. C. of A.
Sagadahoc.....	KTUO	300, 600...	PG-X	U. S. S. B.....	Do.
Sagaporack.....	KZIU	300, 450, 600...	PG-X	.....do.....	S. O. R. S.
Sag Harbor.....	WPAAE	300, 450, 600...	PG-X	.....do.....	I. W. T. Co.
Sagua.....	KVO	300, 600...	PG-N	Atlantic Fruit Co.....	Do.
Saguache.....	KEKL	300, 600...	PG-X	U. S. S. B.....	R. C. of A.
Sahale.....	KEPR	300, 450, 600...	PG-X	.....do.....	Do.
Salam.....	KURP	300, 600...	PG-X	.....do.....	I. W. T. Co.
Salaverry.....	KEQX	300, 600...	PG-X	.....do.....	Do.
Salem County.....	KODR	300, 450, 600...	PG-X	.....do.....	Owner of vessel.
Salina.....	KUZQ	300, 450, 600...	PG-X	.....do.....	Do.
Salvation Lass.....	KIMN	300, 450, 600...	PG-X	.....do.....	R. C. of A.
Samuel L. Fuller.....	KDMS	300, 600...	PG-X	Sinclair Navigation Corp.....	Do.
Samuel Mitchell.....	WEJ	300, 600...	PG-X	Huron Trans. Co.....	Do.
Samuel Q. Brown.....	KDVO	300, 450, 600...	PG-X	Tidewater Oil Co.....	Owner of vessel.
San Antonio.....	KOMN	300, 600...	PG-X	Am. Finance & Com. Co.....	Do.
San Diego.....	KUBF	300, 600...	PG-X	W. H. Wood.....	R. C. of A.
San Francisco.....	KRT	300, 450, 600...	PG-X	U. S. Steel Products Co.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Sangamon.....	WJAA	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
San Jacinto.....	KES	300, 450, 600.....	PG-X	Mallory S. S. Co.....	I. W. T. Co.
San Jose.....	KDJ	300, 600.....	PG-X	United Fruit S. S. Corp.....	T. R. T. Co.
San Juan.....	KGJ	300, 450, 600.....	PG-X	N. Y. & Porto Rico S. S. Co.....	I. W. T. Co.
San Juan.....	KULV	300, 450, 600.....	PG-N & X	Libby, McNeill & Libby.....	S. O. R. S.
San Juan.....	WWM	300, 600.....	PG-N	Pacific Mail S. S. Co.....	F. T. Co.
San Lorenzo.....	KEZ	300, 600.....	PG-N	N. Y. & Porto Rico S. S. Co.....	I. W. T. Co.
San Marcos.....	KEK	300, 600.....	PG-X	Mallory S. S. Co.....	Do.
San Mateo.....	KLV	300, 600.....	PG-X	United Fruit Co.....	T. R. T. Co.
San Pasqual.....	KUXC	300, 450, 600.....	PG-X	U. S. S. B.....	Wireless Serv. Co.
San Ramon.....	WNW	300, 600.....	PG-N & X	Mexican Fruit & S. S. Corp.....	S. O. R. S.
Santa Ana.....	WAL	300, 600.....	PG-N	Alaska S. S. Co.....	
Santa Ana.....	WBX	300, 450, 600.....	PG-N	Grace S. S. Co.....	R. C. of A.
Santa Barbara.....	WBJ	300, 450, 600.....	PG-X	do.....	Do.
Santa Cecilia.....	WEB	300, 450, 600.....	PG-X	Green Star S. S. Corp.....	Do.
Santa Clara.....	WBA	300, 600.....	PG-X	Atlantic & Pacific S. S. Co.....	Do.
Santa Cruz.....	WBD	300, 450, 600.....	PG-N	do.....	Do.
Santa Elisa.....	KIGQ	300, 450, 600.....	PG-N	Grace S. S. Co.....	Do.
Santa Eulalia.....	KDDY	300, 450, 600.....	PG-X	American & Cuban S. S. Line.....	Do.
Santa Flavia.....	KRUI	300, 450, 525, 600.....	PG-X	International Packing Co.....	
Santa Inez.....	WSI	300, 450, 600.....	PG-X	Thomas Crowley.....	Do.
Santa Isabel.....	KDBV	300, 450, 600.....	PG-X	American & Cuban S. S. Line.....	Do.
Santa Luisa.....	KJEU	300, 450, 600.....	PG-N	Grace S. S. Co.....	Do.
Santa Malta.....	KIBN	300, 600.....	PG-X	Atlantic & Pacific S. S. Co.....	Do.
Santa Marta.....	KLG	300, 600.....	PG-N	United Fruit Co.....	T. R. T. Co.
Santanta.....	KZS	300, 600.....	P-X	Osborne Howes.....	Owner of vessel.
Santa Olivia.....	KQII	300, 450, 600.....	PG-X	Atlantic & Pacific S. S. Co.....	R. C. of A.
Santa Paula.....	WBQ	300, 450, 600.....	PG-X	Grace S. S. Co.....	
Santa Rita.....	WBR	300, 450, 600.....	PG-X	Andrew F. Mahony.....	Do.
Santa Rosa.....	WBO	300, 500, 600.....	PG-X	Grace S. S. Co.....	Do.
Santa Rosala.....	KLO	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	Do.
Santa Tecla.....	KNEE	300, 600.....	PG-X	Grace S. S. Co.....	Do.
Santa Teresa.....	WLIA	300, 600.....	PG-N	do.....	Do.
Santa Veronica.....	KDHT	300, 600.....	PG-X	American & Cuban S. S. Line.....	Do.
Santiago.....	KWE	300, 450, 600.....	PG-X	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Santore.....	KDQ	300, 450, 600.....	PG-X	Guaranty Trust Co.....	R. C. of A.
Sapinero.....	KESG	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Sapulpa.....	KDCB	300, 600.....	PG-X	do.....	
Sarah Weems.....	WQJ	300, 600.....	PG-X	Baltimore & Carolina S. S. Co.....	T. R. T. Co.
Saramaca.....	KLH	300, 450, 600.....	PG-X	United Fruit S. S. Corp.....	I. W. T. Co.
Sartaria.....	KIDC	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Satsuma.....	KJI	300, 450, 600.....	PG-X	do.....	Do.
Saucon.....	WBK	300, 600.....	PG-X	New York & Oriental S. S. Co.....	I. W. T. Co.
Saugerties.....	WAB	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Saugus.....	KIBQ	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Sawokla.....	KDBW	300, 450, 600.....	PG-X	do.....	
Saxon.....	WZEA	300, 600.....	PG-X	Clinchfield Navigation Co.....	R. C. of A.
S. B. Hunt.....	KIPR	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Scantic.....	KILR	300, 600.....	PG-X	U. S. S. B.....	
Schenectady.....	WJU	300, 450, 600.....	PG-X	do.....	Do.
Schodack.....	KEVT	300, 600.....	PG-X	do.....	Do.
Schoharie.....	KEVV	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Schoodic.....	KIDQ	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Schroon.....	KIJM	300, 600.....	PG-X	do.....	
Schuylkill Bridge.....	KIKC	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Scottsburg.....	KOMM	300, 450, 600.....	PG-X	do.....	R. C. of A.
S. C. T. Dodd.....	KDML	300, 600.....	PG-X	Standard Oil Co. of Calif.....	Do.
Seacomet.....	KJOU	300, 600.....	PG-X	Seacomet S. S. Co.....	Do.
Sea Lion.....	KDOJ	300, 600.....	PG-X	Ship Owners & Merchants Tugboat Co.....	S. O. R. S.
Sea Monarch.....	KDQU	300, 600.....	PG-X	do.....	Owner of vessel.
Sea Ranger.....	KDSQ	300, 450, 600.....	PG-X	do.....	Do.
Sea Scout.....	KDSY	300, 600.....	PG-X	do.....	Do.
Seattle Spirit.....	KISD	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Sebonac.....	KUVF	300, 450, 600.....	PG-X	Thomas A. Howell.....	I. W. T. Co.
Security.....	KSJ	300, 600.....	PG-X	Standard Oil Co. of N. Y.....	R. C. of A.
Secandbee.....	WFS	300, 450, 475, 600.....	PG-X	Clev. & Buff. Transit Co.....	Do.
Seekonk.....	KIGF	300, 450, 600.....	PG-X	U. S. S. B.....	
Selma City.....	KDRJ	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	
Seminole.....	KUGP	300, 600.....	PG-X	U. S. S. B.....	
Senator.....	WGS	300, 450, 600.....	PG-N	Pacific S. S. Co.....	
Senator Bailey.....	KGS	300, 450, 600.....	PG-X	Gulf Refining Co.....	Do.
Severance.....	KXOE	300, 600.....	PG-X	Union Sulphur Co.....	I. W. T. Co.
Sewalls Point.....	KGX	300, 450, 600.....	PG-X	Castner, Curran & Bullitt.....	Owner of vessel. R. C. of A.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Sharon.....	KIRK	300,600.....	PG-X	U. S. S. B.....	
Shenandoah.....	KIBD	300,600.....	PG-X	Texas Co.....	I. W. T. Co.
Shenango.....	KTC	300,600.....	PG-X	Gulf Refining Co.....	Do;
Sherman.....	KMQ	300,450,600.....	PG-X	Sherman S. S. Co.....	Do;
Shipping Board vessels (general call).	KSBV	.....	.....	U. S. S. B.....	
Shickshinny.....	KIZP	300,450,600.....	PG-X	do.....	Do.
Shooters Island.....	KERG	300,450,600.....	PG-X	do.....	R. C. of A.
Shortsville.....	KIKK	300,600.....	PG-X	do.....	Do.
Shreveport.....	WGAO	300,600.....	PG-X	do.....	Owner of vessel.
Sialia.....	WFY	300,400,450, 600	PG-X	Henry Ford.....	
Siboney.....	WRN	300,600.....	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Sierra.....	KRW	300,600.....	PR-X	E. K. Wood Lumber Co.....	Owner of vessel.
Siletz.....	KODG	300,600.....	PG-X	U. S. S. B.....	
Silverado.....	WRC	300,450,600.....	PG-X	do.....	
Silverbrook.....	KIBC	300,600.....	PG-X	do.....	
Silver Shell.....	WIA	300,450,600.....	PG-X	Silver Shell S. S. Co.....	R. C. of A.
Sinasta.....	KDAC	300,450,600.....	PG-X	U. S. S. B.....	Do.
Sinsinawa.....	KOJD	300,450,600.....	PG-X	do.....	
Sioux City.....	KUGK	300,450,600.....	PG-X	do.....	
Sioux Falls.....	KONN	300,600.....	PG-X	do.....	
Sir Thomas Shaughnessy.....	WFV	300,600.....	PG-X	Jenkins S. S. Co.....	Do.
Siskiyou.....	KDAS	300,600.....	PG-X	E. K. Wood Lumber Co.....	Owner of vessel.
Sixaoa.....	KDS	300,600,1800.....	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Skagway.....	WAT	300,600.....	PG-X	Alaska S. S. Co.....	S. O. R. S.
S. M. Fisher.....	WPH	300,600.....	PG-X	Reid Towing & Wrecking Co.....	R. C. of A.
S. M. Spalding.....	WKG	300,450,600.....	PG-X	Pan-Amer. Petr. & Trans. Co.....	Do.
S. O. Co. No. 91.....	WTU	300,600.....	PG-X	Standard Oil Co. of Calif.....	Do.
S. O. Co. No. 93.....	WTY	300,600.....	PG-X	do.....	Do.
S. O. Co. No. 95.....	WTZ	300,450,600.....	PG-X	do.....	Do.
Socony.....	KTX	300,450,600.....	PG-X	Standard Oil Co. of N. Y.....	Do.
Socony 82.....	KVAL	300,450,600.....	PG-X	do.....	Do.
Socony 83.....	KVAO	300,450,600.....	PG-X	do.....	Do.
Socony 84.....	WCOE	300,450,600.....	PG-X	do.....	Do.
Socony 85.....	WKAE	300,450,600.....	PG-X	do.....	Do.
Socony 88.....	KRUU	300,450,600.....	PG-X	do.....	Do.
Socony 89.....	KSAA	300,450,600.....	PG-X	do.....	Do.
Socony 90.....	WTI	300,450,600.....	PG-X	do.....	Do.
Socony 92.....	WCOI	300,450,600.....	PG-X	do.....	Do.
Socony 94.....	WTIO	300,450,600.....	PG-X	do.....	Do.
Solana.....	KDJQ	300,600,1800.....	PG-X	Pacific Mail S. S. Co.....	F. T. Co.
Solitaire.....	KUMT	300,600.....	PG-X	Texas S. S. Co.....	I. W. T. Co.
Somerset.....	KSU	300,450,600.....	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Sonoma.....	WHM	300,600,1800.....	PG-N	Oceanic S. S. Co.....	F. T. Co.
South American.....	WEQ	300,600.....	PG-N	Chicago, Duluth & Georgian Bay S. S. Co.....	R. C. of A.
South Bend.....	KEXQ	300,600.....	PG-N	U. S. S. B.....	S. O. R. S.
Southern Cross.....	KDTZ	300,450,600, 1800	PG-N	do.....	Do.
South Pole.....	WDIA	300,600.....	PG-N	do.....	
Speejacks.....	KDUF	300,450,600.....	P-X	Albert Y. Gowen.....	R. C. of A.
Spokane.....	WGE	300,450,600.....	PG-N	Pacific S. S. Co.....	Do.
Spray.....	KDWJ	300,450,600.....	PG-X	Anthony J. McAllister.....	Owner of vessel.
Spray.....	KDYB	300,450,600.....	PR-X	John F. Gray.....	R. C. of A.
Springfield.....	KUTR	300,450,600.....	PG-X	U. S. S. B.....	Do.
St. Anthony.....	KUBM	300,450,600.....	PG-X	do.....	
St. Augustine.....	KIKJ	300,600.....	PG-X	do.....	
St. Johns County.....	KIKG	300,600.....	PG-X	do.....	
St. Louis.....	KDQK	300,600.....	.....	Inland & Coastwise Waterways Service.	
St. Nicholas.....	WSS	300,600.....	PG-X	Col. River Packers' Assn.....	Owner of vessel.
St. Paul.....	KSO	300,450,600.....	PG-N	Int'l. Mercantile Marine Co.....	I. W. T. Co.
Standard.....	KIC	300,450,600.....	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Standard Arrow.....	KXOI	300,450,600.....	PG-X	Standard Trans. Co.....	
Standard II.....	KSV	300,450,600.....	PG-N	do.....	
Standard Oil Co. vessels (general call).	KSA	300,600.....	PG-X	Standard Oil Co. of N. Y.....	Do.
Standtow No. 2.....	KPK	300,450,600.....	PG-X	Standard Oil Co. of N. J.....	
Standtug No. 1.....	KOQM	300,450,600.....	PG-X	do.....	
Stanley.....	KISJ	300,450,600.....	PG-X	U. S. S. B.....	
Stanley Dollar.....	WHS	300,450,600.....	PG-X	Dollar S. S. Line.....	I. W. T. Co.
Star 1.....	WRIO	300,600.....	PG-X	U. S. Whaling Co.....	Owner of vessel.
Star of Greenland.....	KERF	300,600.....	PG-X	Alaska Packers' Assn.....	Do.
Star of Holland.....	KUGQ	300,600.....	PG-X	do.....	Do.
Star of Lapland.....	KXOA	300,400,600.....	PG-X	do.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Starr.....	WPS	300, 600.....	PG-X	San Juan Fishing & Packing Co.	S. O. R. S.
State of Ohio.....	WFR	300, 600.....	PG-X	Cleve. & Buff. Transit Co.	R. C. of A.
Steadfast.....	WDEO	300, 600.....	PG-X	U. S. S. B.	I. W. T. Co.
Steel Age.....	KOZX	300, 450, 600.....	PG-X	U. S. Steel Products Co.	R. C. of A.
Steel Engineer.....	KDCX	300, 450, 600.....	PG-X	do.....	Do.
Steel Exporter.....	KDDN	300, 450, 600.....	PG-X	do.....	Do.
Steel Inventor.....	KDJL	300, 600.....	PG-X	do.....	Do.
Steelmaker.....	KOXX	300, 450, 600.....	PG-X	do.....	Do.
Steel Mariner.....	KUVK	300, 600.....	PG-N	do.....	Do.
Steel Navigator.....	KDWL	300, 450, 600.....	PG-X	do.....	Do.
Steel Ranger.....	KDGL	300, 450, 600.....	PG-X	do.....	Do.
Steel Scientist.....	KDVW	300, 450, 600.....	PG-X	do.....	Do.
Steel Seafarer.....	KDVN	300, 450, 600.....	PG-X	do.....	Do.
Steel Trader.....	KUVL	300, 450, 600.....	PG-X	do.....	Do.
Steel Voyager.....	KUFN	300, 450, 600.....	PG-X	do.....	Do.
Steel Worker.....	KDBJ	300, 450, 600.....	PG-X	do.....	Do.
Stellaris.....	KIFL	300, 450, 600.....	PG-X	Stella F. Schlotman	R. C. of A.
Stephen R. Jones.....	KXXX	300, 450, 600.....	PG-X	Crowell & Thurlow S. S. Co.	Owner of vessel.
Stockton.....	KDDS	300, 600.....	PG-X	U. S. S. B.	S. O. R. S.
Stonewall.....	KDOV	300, 600.....	PG-X	Garland S. S. Corp.	R. C. of A.
Storm King.....	KDJM	300, 450, 600.....	PG-N	U. S. S. B.	Do.
Storm King.....	KOGM	300, 600.....	PG-X	Ralph Nav. & Coal Co.	Owner of vessel.
Stuart Dollar.....	KDXD	300, 450, 600.....	PG-X	Dollar S. S. Line.	R. C. of A.
Suboatco.....	KURZ	300, 600.....	PG-X	Submarine Boat Corp.	Do.
Sucrosa.....	KNS	300, 450, 600.....	PG-X	Cuba Distilling Co.	Do.
Sucubaco.....	KDQL	300, 600.....	PG-X	Submarine Boat Corp.	Transmarine Corp.
Sudawsonco.....	KDFJ	300, 450, 600.....	PG-X	do.....	United American Lines.
Sudbury.....	KRZ	300, 450, 600.....	PG-X	Shawmut S. S. Co.	
Sudufico.....	KDDO	300, 600.....	PG-X	Submarine Boat Corp.	Transmarine Corp.
Sudurco.....	KDEY	300, 450, 600.....	PG-X	do.....	
Suedco.....	KUSB	300, 600.....	PG-X	do.....	R. C. of A.
Suelco.....	KUZZ	300, 600.....	PG-X	do.....	Do.
Suffolk.....	WRS	300, 450, 600.....	PG-X	Coastwise Trans. Co.	Do.
Sugillenco.....	KDLG	300, 600.....	PG-X	Submarine Boat Corp.	Do.
Suholco.....	KUZF	300, 450, 600.....	PG-X	do.....	Do.
Sujameco.....	KDLF	300, 600.....	PG-X	do.....	Transmarine Corp.
Sujerseyco.....	KDNH	300, 600.....	PG-X	do.....	
Sulanierco.....	KDFI	300, 450, 600.....	PG-X	do.....	
Sumanoco.....	KDDH	300, 600.....	PG-X	do.....	
Summerleaf.....	KUGR	300, 450, 600.....	PG-X	U. S. S. B.	R. C. of A.
Sun.....	KTU	300, 600.....	PG-X	Sun Co.	Do.
Sunbeam.....	KODC	300, 600.....	PG-X	do.....	I. W. T. Co.
Sundance.....	KORD	300, 600.....	PG-X	U. S. S. B.	R. C. of A.
Sunelsco.....	KUSC	300, 450, 600.....	PG-X	Submarine Boat Corp.	Transmarine Corp.
Sunewarkco.....	KDNI	300, 600.....	PG-X	do.....	R. C. of A.
Sunewco.....	KDBR	300, 450, 600.....	PG-X	do.....	Do.
Sunlite.....	KPQ	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	R. C. of A.
Sunoil.....	KWP	300, 450, 600.....	PG-X	Sun Co.	Do.
Sunugentco.....	KDNX	300, 600.....	PG-X	Submarine Boat Corp.	Transmarine Corp.
Suphenco.....	KDRP	300, 600.....	PG-X	do.....	R. C. of A.
Suportoco.....	KUZK	300, 600.....	PG-X	do.....	
Surailco.....	KDBS	300, 600.....	PG-X	do.....	
Suremico.....	KDHB	300, 600.....	PG-X	do.....	
Suricheco.....	KDHA	300, 450, 600.....	PG-X	do.....	
Surico.....	KDDP	300, 450, 600.....	PG-X	do.....	
Surinam.....	KDCY	300, 450, 600.....	PG-X	U. S. S. B.	S. O. R. S.
Suriname.....	KLI	300, 450, 600.....	PG-N	United Fruit Co.	T. R. T. Co.
Suruga.....	KGD	300, 450, 600.....	PG-X	N. Y. & Oriental S. S. Co.	R. C. of A.
Susana II.....	KEMG	300, 450, 525, 600	PG-X	Madrigal & Co.	Owner of vessel.
Suscolanco.....	KDFK	300, 450, 600.....	PG-X	Submarine Boat Corp.	Transmarine Corp.
Susherico.....	KDDQ	300, 600.....	PG-X	do.....	
Suspearo.....	KDPG	300, 600.....	PG-X	do.....	I. W. T. Co.
Susquehanna.....	KOLN	300, 450, 600.....	PG-N	U. S. S. B.	Transmarine Corp.
Susquehanna.....	WEM	300, 450, 600.....	PG-X	Susquehanna S. S. Co.	
Sutermco.....	KDDI	300, 450, 600.....	PG-X	Submarine Boat Corp.	
Sutherland.....	WTJ	300, 476, 600.....	PG-X	U. S. S. B.	
Sutorpc.....	KDBQ	300, 600.....	PG-X	Submarine Boat Corp.	R. C. of A.
Sutranasco.....	KUZG	300, 450, 600.....	PG-X	do.....	Do.
Suvarinco.....	KDLG	300, 600.....	PG-X	do.....	
Suwied.....	KOXC	300, 600.....	PG-X	U. S. S. B.	
Suwordenco.....	KDLE	300, 600.....	PG-X	Submarine Boat Corp.	
S. V. Harkness.....	KEU	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	
Swift Arrow.....	KDOS	300, 450, 600.....	PG-X	Swiftsure Oil Trans. Co.	
Swiftagle.....	KDRK	300, 450, 600.....	PG-X	do.....	
Swiftflight.....	KDSA	300, 450, 600.....	PG-X	do.....	
Swift Scout.....	KDQV	300, 450, 600.....	PG-X	do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours	Owner of vessel.	Station controlled by—
Swiftstar.....	KDPF	300, 450, 600.....	PG-X	Swiftsure Oil Trans. Co.....	R. C. of A.
Swiftsure.....	KDNG	300, 450, 600.....	PG-X	.....do.....	Do.
Swift Wind.....	KDSI	300, 450, 600.....	PG-X	.....do.....	Do.
Sylvan Arrow.....	KSX	300, 450, 600.....	PG-N	Standard Transp. Co.....	Do.
Syros.....	KDEC	300, 600.....	PG-X	U. S. S. B.....	Do.
Tamesi.....	WTE	300, 450, 600.....	PG-X	Sinclair Navigation Co.....	Do.
Tamiahua.....	KDVA	300, 450, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Tampa.....	KOVX	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Tampico.....	KOXR	300, 600.....	PG-X	Crowell & Thurlow S. S. Co.....	I. W. T. Co.
Tanamo.....	KVN	300, 450, 600.....	PG-X	Atlantic Fruit Co.....	R. C. of A.
Tancarville.....	KUKM	300, 600.....	PG-X	Philippine Veg. Oil Co.....	S. O. R. S.
Tartar.....	KEKS	300, 600.....	PG-X	U. S. S. B.....	Do.
Tashmoo.....	KOXD	300, 600.....	PG-X	.....do.....	Do.
Tavernilla.....	KEMT	300, 600.....	PG-X	Panama Canal.....	United American Lines.
Tecomate.....	KDST	300, 600.....	PG-X	Atlantic Gulf Oil Corp.....	I. W. T. Co.
Tekoa.....	KOXF	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Tenafly.....	KOZF	300, 600.....	PG-N	.....do.....	I. W. T. Co.
Teresa.....	WJF	300, 450, 600.....	PG-N	.....do.....	Do.
Terre Haute.....	KOPJ	300, 600.....	PG-X	.....do.....	Do.
Texan.....	WKT	300, 600.....	PG-X	American-Hawaiian S. S. Co.....	Do.
Texarkana.....	KOCD	300, 600.....	PG-X	U. S. S. B.....	Do.
Texas.....	KUM	300, 600.....	PG-X	Texas Co.....	I. W. T. Co.
The Angeles.....	KUJB	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
The Harvester.....	WCR	300, 450, 600.....	PG-X	International Harvester Co.....	I. W. T. Co.
The Lambs.....	KEBZ	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Theodore F. Reynolds.....	KDDG	300, 450, 600.....	PG-X	Steamship Theodore F. Reynolds Corp.....	Do.
Theodore H. Wickwire.....	KDZC	300, 600.....	PG-X	American S. S. Co.....	Do.
Theodore H. Wickwire, jr.....	KDUL	300, 600.....	PG-X	.....do.....	R. C. of A.
Theodore Roosevelt.....	WCT	300, 600.....	PG-X	Cleveland Erie S. S. Co.....	R. C. of A.
Thomas Crowley.....	KDSB	300, 600.....	PG-X	Andrew F. Mahony.....	Do.
Thomas H. Wheeler.....	KDOR	300, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Thomas P. Beal.....	KDTO	300, 600.....	PG-X	Crowell & Thurlow S. S. Co.....	Owner of vessel.
Thorobred.....	KYZ	.....	PG-X	Duted W. Flint.....	Do.
"323".....	KDTH	.....	PG-X	John B. Paine.....	Do.
Tidewater.....	KOU	300, 450, 600.....	PG-X	Green Star S. S. Corp.....	R. C. of A.
Tiger.....	KIT	300, 450, 600.....	PG-X	Standard Transportation Co.....	Do.
Tillamook.....	WMOA	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Tionesta.....	WCA	300, 450, 600.....	PG-N	Great Lakes Transit Corp.....	R. C. of A.
Tipton.....	WQOA	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Tivives.....	KMI	300, 600.....	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
T. J. Williams.....	KDUR	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
Toiler.....	WTOO	300, 600.....	PG-X	Thomas J. Howard.....	Do.
Toledo Bridge.....	KOOG	300, 600.....	PG-X	U. S. S. B.....	Do.
Tollard.....	KEVX	300, 600.....	PG-X	.....do.....	Do.
Tolosa.....	KDAY	300, 600.....	PG-X	.....do.....	Do.
Tomalva.....	KDFH	300, 450, 600.....	PG-X	.....do.....	S. O. R. S.
Tona.....	KOJX	300, 600.....	PG-X	.....do.....	Do.
Tonesit.....	KOXX	300, 600.....	PG-X	.....do.....	Do.
Toopi.....	KULP	300, 378, 450, 600.....	PG-X	.....do.....	Do.
Topa Topa.....	KDBB	300, 600.....	PG-X	.....do.....	Owner of vessel.
Topila.....	KKE	300, 450, 600.....	PG-X	Southern Pacific Co.....	R. C. of A.
Tormenter.....	KFN	300, 450, 600.....	PG-X	Sinclair Navigation Co.....	Owner of vessel.
Torres.....	KKF	300, 450, 600.....	PG-X	Southern Pacific Co.....	Do.
Totoco.....	KDSU	300, 460, 530, 600.....	PG-X	International Petroleum Co.....	Do.
Transportation.....	KEJX	300, 450, 600.....	PG-X	Coastwise Trans. Co.....	R. C. of A.
Traveller.....	KIVK	300, 600.....	PG-X	U. S. S. B.....	Do.
Tri Mountain.....	KOQF	300, 600.....	PG-X	.....do.....	I. W. T. Co.
Trinidadian.....	KNO	300, 600.....	PG-X	Gulf Refining Co.....	Do.
Trinity.....	KDBI	300, 600.....	PG-N	U. S. S. B.....	Do.
Tripp.....	KIMC	300, 600.....	PG-X	.....do.....	R. C. of A.
Triumph.....	KEND	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
Trontolite.....	KOM	300, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Tukanuuck.....	KIMB	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Tuladi.....	KOXL	300, 450, 600.....	PG-X	.....do.....	Do.
Tulsa.....	KIXR	300, 600.....	PG-X	.....do.....	T. R. T. Co.
Tulgasas.....	KDRZ	300, 600, 1800.....	PG-X	.....do.....	R. C. of A.
Tunica.....	WJP	300, 600.....	PG-N	.....do.....	I. W. T. Co.
Turrialba.....	KDT	300, 600.....	PG-N	United Fruit S. S. Corp.....	Do.
Tuscaloosa City.....	KDLO	300, 600.....	PG-X	U. S. Steel Products Co.....	S. O. R. S.
Tuscan.....	KUDC	300, 450, 600.....	PG-X	Merchants & Miners Trans. Co.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by.
Tustem.	KDTW	300, 600.....	PG-X	U. S. S. B.....	
Tuxpanoil.	KDPQ	300, 600, 1800.	PG-X	do.....	
Tyee.	WPC	300, 600.....	PG-X	Skinner & Eddy Corp.....	S. O. R. S.
Ulysses.	KPU	300, 600.....	PG-N	Panama R. R. Co.....	
Undaunted.	KDSJ	300, 600.....	PG-X	G. F. Matthews.....	
Undaunted.	KYR	300, 600.....	P-X	France & Canada S. S. Co.....	
Unicoi.	KUQP	300, 450, 600.....	PG-X	U. S. S. B.....	
Union Liberty.	KUNG	300, 600.....	PG-X	do.....	
United States.	KZU	300, 450, 600.....	PG-N	E. H. R. Green.....	Owner of vessel.
Utacarbon.	KUMC	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Vaba.	KDIP	300, 600.....	PG-X	do.....	
Vacuum.	KUTS	300, 450, 600.....	PG-X	Vacuum Oil Co.....	
Valdez.	WAK	300, 600.....	PG-X	Alaska S. S. Co.....	
Vanada.	KOBF	300, 450, 600.....	PG-X	U. S. S. B.....	
Van Camp No. II.	KDAK	300, 600.....	PG-X	Fish Canners Co.....	
Velero.	WHV	300, 600.....	PG-X	G. Allan Hancock.....	Owner of vessel.
Venetia.	WOW	300, 600.....	PG-X	John D. Spreckles.....	Do.
Venezuela.	WBG	300, 600, 1800.	PG-N	Pacific Mail S. S. Co.....	F. T. Co.
Ventura.	WHL	300, 600, 1800.	PG-N	Oceanic S. S. Co.....	Do.
Vesta.	KTS	300, 450, 600.....	PG-X	Standard Oil Co.....	R. C. of A.
Wheeling.	KDSC			Inland & Coastwise Waterways Service.	
Victoria.	WAD	300, 450, 525, 600	PG-N	Alaska S. S. Co.....	S. O. R. S.
Victorious.	WXIA	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Vigilant.	KOZP	300, 450, 600.....	PG-X	E. K. Wood Lumber Co.....	Owner of vessel.
Viking.	KDYC	300, 600.....	PG-X	George E. Billings.....	
Vincennes Bridge.	KOKM	300, 450, 600.....	PG-X	U. S. S. B.....	
Vincent.	KIZS	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Vinita.	KOTL	300, 450, 600.....	PG-X	do.....	R. C. of A.
Virginia.	KUV	300, 600.....	PG-X	Texas Co.....	I. W. T. Co.
Virginia Bridge.	KUCF	300, 600.....	PG-X	U. S. S. B.....	
Virginian.	WKV	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Vizcaya.	WSQ	300, 600.....	PG-X	Ynchausti S. S. Co.....	R. C. of A.
Vittorio Emmanuel III.	KDJF	300, 600.....	PG-X	U. S. S. B.....	
Volunteer.	WFAO	300, 600.....	PG-X	do.....	
Von Steuben.	KOXP	300, 600.....	PG-N	do.....	
Wabam.	KJT	300, 450, 600.....	PG-X	do.....	
Wabash.	WNC	300, 450, 600.....	PG-X	N. Atlan. & Western S. S. Co.....	
Wachusett.	WJL	300, 600.....	PG-X	U. S. S. B.....	
Waco.	KIRP	300, 600.....	PG-X	do.....	
Wacosta.	KDLM	300, 450, 600, 1800	PG-X	do.....	
Wahkenea.	WMS	300, 600.....	PG-X	Wahkenea S. S. Co.....	Owner of vessel.
Wakula.	KRUO	300, 600.....	PG-N	U. S. S. B.....	
Walden.	KIGG	300, 450, 600.....	PG-X	do.....	
Wallingford.	KEPV	300, 476, 600.....	PG-X	do.....	
Wallkill.	KIPD	300, 600.....	PG-X	do.....	
Wallula.	WPY	300, 450, 600.....	PG-X	Port of Portland, Oreg.....	S. O. R. S.
Walter A. Luckenbach.	KJIE	300, 450, 600, 1800	PG-N	Luckenbach S. S. Co.....	Do.
Walter D. Munson.	KVJ	300, 600.....	PG-X	Munson S. S. Co.....	R. C. of A.
Walter D. Noyes.	KDY	300, 600.....	PG-X	Cowell & Thurlow S. S. Co.....	
Walter Jennings.	KDPL	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	
Wampum.	KROI	300, 450, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Wana.	KYX	300, 600.....	P-X	George C. Sherman.....	Do.
Wapama.	WMG	300, 600.....	PG-N	Wapama S. S. Co.....	S. O. R. S.
Warbler.	KDKR	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Ward.	KDQB	300, 450, 600.....	PG-X	do.....	
Warszawa.	WLM	300, 600.....	PG-N	Polish-American Nav. Corp.....	
Warwick.	KESX	300, 600.....	PG-X	U. S. S. B.....	
Wasagaya.	KOPN	300, 600.....	PG-X	do.....	
Washtenaw.	WPOO	300, 600.....	PG-X	Union S. S. Co.....	F. T. Co.
Wassiac.	KROO	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Watauga.	WQT	300, 600.....	PG-X	do.....	
Waterbury.	KUPT	300, 450, 600.....	PG-X	do.....	
Watertown.	KING	300, 600.....	PG-X	do.....	
Watethena.	WDIE	300, 600.....	PG-X	do.....	
Wantonwan.	WDII	300, 600.....	PG-X	do.....	
Waubesa.	WGOO	300, 450, 600.....	PG-X	do.....	
Wauconda.	WREE	300, 600.....	PG-X	do.....	
Waukau.	KIDV	300, 600.....	PG-N	do.....	
Waukegan.	KIDX	300, 600.....	PG-X	do.....	
Waukeshia.	KKEO	300, 450, 600.....	PG-X	do.....	
Wauwatosa.	KUCK	300, 450, 600.....	PG-X	do.....	
Wawalona.	KEXM	300, 600.....	PG-X	do.....	
Waxahachie.	KILM	300, 600.....	PG-X	do.....	R. C. of A.
W. B. Keene.	KWK	300, 600.....	PG-X	Savannah-N. Y. Transpn. Co.....	Do.
W. C. Teagle.	KTY	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.

COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Wekika.....	KIXX	300, 450, 600..	PG-X	U. S. S. B.	S. O. R. S.
Wellington.....	KMR	300, 450, 600..	PG-X	Henry W. Cook.....	R. C. of A.
West Alcoz.....	KIDD	330, 600.....	PG-X	U. S. S. B.	
West Alsek.....	KJUO	300, 600.....	PG-N	do.....	
West Amargosa.....	KEJS	300, 600.....	PG-X	do.....	
West Apaum.....	KJUU	300, 450, 600..	PG-X	do.....	
West Arrow.....	WKS	300, 600.....	PG-X	do.....	
West Ashawa.....	KFH	300, 600.....	PG-X	do.....	
West Avental.....	KENG	300, 450, 600..	PG-X	do.....	
Westboro.....	KDJH	300, 450, 600..	PG-X	do.....	
West Bridge.....	KJOO	300, 600.....	PG-X	do.....	
Westbrook.....	WLJ	300, 600.....	PG-X	do.....	
West Cactus.....	KIVV	300, 600.....	PG-X	do.....	
West Caddoa.....	KODF	300, 600.....	PG-X	do.....	
West Cadron.....	KUDK	300, 600.....	PG-X	do.....	
West Cahokia.....	KUPJ	300, 450, 600..	PG-X	do.....	
West Cajoot.....	KEXX	300, 475, 600..	PG-X	do.....	
West Calera.....	KUMM	300, 450, 600..	PG-X	do.....	
West Calumb.....	KILT	300, 450, 600..	PG-X	do.....	
West Camak.....	KUST	300, 450, 600..	PG-X	do.....	
West Camargo.....	KDBL	300, 450, 600..	PG-X	do.....	
West Campgaw.....	KUFR	300, 450, 600..	PG-X	do.....	
West Canon.....	KDCV	300, 600.....	PG-X	do.....	
West Cape.....	WXEO	300, 600.....	PG-N	do.....	
West Carmona.....	KDFW	300, 600.....	PG-X	do.....	
West Carnifax.....	KEFC	300, 450, 600..	PG-X	do.....	
West Caruth.....	KESJ	300, 450, 600..	PG-X	do.....	
West Catanace.....	KEE	300, 450, 600..	PG-X	Elder Steel S. S. Co.	I. W. T. Co.
West Cavanal.....	KIFD	300, 450, 600..	PG-X	Imperial Shipping Corp.	S. O. R. S.
West Cawthon.....	KIIZ	300, 600.....	PG-N	do.....	Do.
West Cayote.....	KIRF	300, 450, 600..	PG-X	U. S. S. B.	R. C. of A.
West Celeron.....	KKJ	300, 600.....	PG-X	do.....	
West Celina.....	KEZR	300, 450, 600..	PG-X	do.....	
West Chatala.....	KIJP	300, 450, 600..	PG-X	do.....	
West Chero.....	KJIM	300, 600.....	PG-X	do.....	
Westchester.....	WCL	300, 476, 600..	PG-X	do.....	
West Cheswald.....	KIXB	300, 450, 600..	PG-X	do.....	
West Chetac.....	KIMG	300, 450, 600..	PG-X	do.....	
West Chopaka.....	KDVH	300, 600, 1800..	PG-X	do.....	
West Coast.....	KRAA	300, 600.....	PG-N	do.....	
West Cobalt.....	KEKD	300, 450, 600..	PG-X	do.....	
West Cohas.....	KNAE	300, 450, 600..	PG-X	do.....	
West Compo.....	KENJ	300, 450, 600..	PG-X	do.....	
West Conob.....	KIFP	300, 476, 600..	PG-X	do.....	
West Corum.....	KEVD	300, 450, 600..	PG-X	do.....	
West Cressy.....	WGOU	300, 450, 600..	PG-X	do.....	
West Cusseta.....	KDIK	300, 450, 600, 1800	PG-X	do.....	
West Durfee.....	KJAI	300, 450, 600..	PG-X	do.....	S. O. R. S.
West Eagle.....	WQZ	300, 600.....	PG-N	do.....	
West Ekonk.....	KQIU	300, 600.....	PG-X	do.....	
West Elcajon.....	KELK	300, 450, 600..	PG-X	do.....	
West Elcasco.....	WJOA	300, 600.....	PG-N	do.....	
West Eldara.....	WJOE	300, 450, 600..	PG-X	do.....	
Western Ally.....	KEJF	300, 600.....	PG-N	do.....	
Western Belle.....	WKUI	300, 600.....	PG-N	do.....	
Western Chief.....	KNAO	300, 450, 600..	PG-X	do.....	
Western City.....	KNAT	300, 600.....	PG-X	do.....	
Western Comet.....	WXEI	300, 450, 600..	PG-X	do.....	
Western Cross.....	KTEE	300, 600.....	PG-N	do.....	
Westerner.....	KIK	300, 600.....	PG-X	do.....	
Western Glen.....	KEDR	300, 378, 600..	PG-N	do.....	
Western Hero.....	KIU	300, 450, 600..	PG-X	do.....	
Western Hope.....	WFIA	300, 450, 600..	PG-X	do.....	
Western King.....	WEP	300, 450, 600..	PG-N	do.....	
Western Knight.....	KEFQ	300, 450, 600..	PG-X	do.....	
Western Light.....	KQOI	300, 450, 600..	PG-X	do.....	
Western Maid.....	KQOO	300, 450, 600..	PG-N	do.....	I. W. T. Co.
Western Ocean.....	KJEA	300, 600.....	PG-N	do.....	Do.
Western Plains.....	WZIU	300, 450, 600..	PG-N	do.....	R. C. of A.
Western Pride.....	WGT	300, 600.....	PG-X	do.....	I. W. T. Co.
Western Queen.....	WWK	300, 600.....	PG-X	do.....	
Western Scout.....	WXEA	300, 450, 600..	PG-X	do.....	
Western Sea.....	KNAA	300, 600.....	PG-X	do.....	
Western Spirit.....	KNEA	300, 600.....	PG-X	do.....	
Western Star.....	WEU	300, 600.....	PG-X	do.....	
Western States.....	WED	300, 450, 600..	PG-N	Detroit & Cleve. Nav. Co.	R. C. of A.
Western Wave.....	WWC	300, 600.....	PG-X	U. S. S. B.	S. O. R. S.
Western World.....	KDYI	300, 600.....	PG-N	do.....	
West Erral.....	KERJ	300, 450, 600..	PG-X	do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
West Faralon.....	KDSX	300, 600, 1800.	PG-X	U. S. S. B.....	S. O. R. S.
Westfield.....	KXU	300, 600.....	PG-X	do.....	
Westford.....	KNAU	300, 600.....	PG-X	do.....	
West Galeta.....	WFAE	300, 600.....	PG-X	do.....	
West Galoc.....	KVEI	300, 600.....	PG-X	do.....	
West Gambo.....	KQUU	300, 450, 600..	PG-X	do.....	I. W. T. Co.
West Gotomaska.....	WET	300, 600.....	PG-N	do.....	Do.
West Gramma.....	WGIA	300, 600.....	PG-N	do.....	
West Greylock.....	KDTV	300, 450, 600, 1800	PG-X	do.....	S. O. R. S.
West Grove.....	KJAU	300, 450, 600..	PG-X	do.....	
Westhampton.....	WSP	300, 378, 600..	PG-X	do.....	
West Harcuvar.....	KEZM	300, 600.....	PG-X	do.....	
West Hardaway.....	KEDX	300, 600.....	PG-X	do.....	I. W. T. Co.
West Hargrave.....	KEDZ	300, 600.....	PG-X	do.....	
West Harlan.....	KEFS	300, 600.....	PG-X	do.....	
West Harshaw.....	KEFX	300, 450, 600..	PG-X	do.....	
West Hartland.....	KEGS	300, 450, 600..	PG-X	do.....	
West Hartley.....	KEGT	300, 600.....	PG-X	do.....	
West Harts.....	KEFZ	300, 600.....	PG-X	do.....	
West Hassayampa.....	KEGX	300, 600.....	PG-X	do.....	
West Haven.....	KJV	300, 600.....	PG-N	do.....	
West Helix.....	WSUA	300, 450, 600..	PG-X	do.....	
West Hematite.....	KEZP	300, 600.....	PG-N	do.....	
West Hembrie.....	KEZN	300, 600.....	PG-N	do.....	R. C. of A.
West Henshaw.....	KEBQ	300, 476, 600..	PG-X	do.....	I. W. T. Co.
West Hepburn.....	KINP	300, 600.....	PG-X	do.....	
West Hesseltine.....	KOTN	300, 600.....	PG-X	do.....	
West Hika.....	KOZK	300, 600.....	PG-X	do.....	
West Himrod.....	KUDQ	300, 600.....	PG-X	do.....	
West Hixton.....	KUKV	300, 600.....	PG-X	do.....	
West Hobomac.....	WFAI	300, 600.....	PG-X	do.....	
West Holbrook.....	KUXB	300, 450, 600..	PG-X	do.....	
West Honaker.....	KDFX	300, 450, 600, 1800	PG-X	do.....	
West Hosokie.....	WFEI	300, 600.....	PG-N	do.....	
West Humhaw.....	WZAE	300, 600.....	PG-N	do.....	R. C. of A.
West Imboden.....	KECX	300, 450, 600..	PG-X	do.....	Do.
West Indian.....	KJAE	300, 600.....	PG-X	do.....	
West Inskip.....	KITZ	300, 450, 600..	PG-X	do.....	Do.
West Ira.....	KOGL	300, 450, 600..	PG-X	do.....	Do.
West Irmo.....	KIFB	300, 600.....	PG-X	Imperial Shipping Corp.	
West Islay.....	KICP	300, 450, 600..	PG-X	do.....	
West Isleta.....	KICQ	300, 450, 600..	PG-X	U. S. S. B.....	
West Islip.....	KIKX	300, 600.....	PG-X	do.....	I. W. T. Co.
West Ison.....	KINN	300, 600.....	PG-X	do.....	
West Ivan.....	KOZS	300, 600.....	PG-X	do.....	R. C. of A.
West Ivis.....	KOQQ	300, 450, 600..	PG-X	do.....	I. W. T. Co.
West Jaffrey.....	KOCX	300, 450, 600..	PG-X	do.....	S. O. R. S.
West Jappa.....	KUKJ	300, 450, 600..	PG-X	do.....	I. W. T. Co.
West Jena.....	KOTG	300, 450, 600..	PG-X	do.....	
West Jessup.....	KOXS	300, 450, 600..	PG-X	do.....	
West Jester.....	KUDG	300, 600.....	PG-X	do.....	
West Kader.....	KOSL	300, 600.....	PG-X	do.....	S. O. R. S.
West Kasson.....	KIKM	300, 600.....	PG-X	do.....	I. W. T. Co.
West Katan.....	KOBK	300, 450, 600..	PG-X	do.....	R. C. of A.
West Keats.....	KUQK	300, 450, 600..	PG-X	do.....	S. O. R. S.
West Kebar.....	KDAN	300, 450, 600, 1800	PG-X	do.....	Do.
West Kedron.....	KDAP	300, 450, 600..	PG-X	do.....	I. W. T. Co.
West Keene.....	KISK	300, 450, 600..	PG-X	do.....	R. C. of A.
West Kyska.....	WJCU	300, 600.....	PG-X	do.....	
West Lashaway.....	WTH	300, 600.....	PG-N	do.....	
West Land.....	KJX	300, 450, 600..	PG-X	do.....	
Westland.....	KDOY	300, 600.....	PG-X	do.....	
West Lashaway.....	WREA	300, 600.....	PG-X	Tri-State S. S. Co.	
West Lianga.....	KJAO	300, 376, 600..	PG-X	U. S. S. B.....	
West Loquassuck.....	WJOI	300, 600.....	PG-X	do.....	
West Madaket.....	WJOO	300, 600.....	PG-N	do.....	
West Mahomet.....	WTUU	300, 600.....	PG-N	do.....	
West Mahwah.....	KUTC	300, 450, 600..	PG-X	do.....	
West Maximus.....	KEDQ	300, 600.....	PG-X	do.....	
Westmead.....	WDIO	300, 600.....	PG-X	do.....	
West Mingo.....	KORB	300, 600.....	PG-X	do.....	
West Modus.....	KENK	300, 600.....	PG-X	do.....	
West Montop.....	KOTR	300, 600.....	PG-X	do.....	
Westmoreland.....	KIQC	300, 600.....	PG-N	do.....	
Westmount.....	KDJG	300, 600.....	PG-X	do.....	
West Munham.....	KEXF	300, 600.....	PG-X	do.....	R. C. of A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
West Neris.....	KOTK	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
West Niger.....	KOZJ	300, 476, 600.....	PG-X	.....do.....	
West Nilus.....	KUFJ	300, 450, 600.....	PG-X	.....do.....	
West Nivaria.....	KUQJ	300, 450, 600.....	PG-X	.....do.....	
West Nohno.....	KEXG	300, 600.....	PG-X	.....do.....	
West Nomentum.....	KUSG	300, 600.....	PG-X	.....do.....	
West Norranus.....	KUVZ	300, 600.....	PG-X	.....do.....	
West Noska.....	KEDV	300, 450, 600.....	PG-X	.....do.....	
West Notus.....	KDAM	300, 600.....	PG-X	.....do.....	
West oil.....	KIVP	300, 600.....	PG-X	Waukan Transit Co.	
West O'Rowa.....	KDQI	300, 600, 1800.....	PG-X	U. S. S. B.....	
West Pocasset.....	KOCK	300, 600.....	PG-X	.....do.....	
West Point.....	KJY	300, 450, 600.....	PG-N	.....do.....	
Westpool.....	WROA	300, 450, 600.....	PG-N	.....do.....	
Westport.....	WFEO	300, 450, 600.....	PG-X	.....do.....	
West Prospect.....	KDUK	300, 450, 600..... 1800	PG-X	.....do.....	R. C. of A. S. O. R. S.
West Quechee.....	KEDT	300, 450, 600.....	PG-N	.....do.....	R. C. of A.
West Raritan.....	KIXC	300, 600.....	PG-X	.....do.....	
West Saginaw.....	KOCV	300, 450, 600.....	PG-X	.....do.....	
West Segovia.....	KTPK	300, 600.....	PG-X	.....do.....	
West Selen.....	KIXZ	300, 600.....	PG-X	.....do.....	
West Sequana.....	WSOI	300, 450, 600.....	PG-X	.....do.....	
West Shore.....	WMD	300, 450, 600.....	PG-X	.....do.....	R. C. of A.
West Tacook.....	KECR	300, 600.....	PG-X	.....do.....	
West Togus.....	KEXJ	300, 600, 1800.....	PG-X	.....do.....	
West Totant.....	KEXX	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
West Vac.....	KEMX	300, 600.....	PG-X	.....do.....	
West View.....	WDIU	300, 450, 600.....	PG-N	.....do.....	
Westward Ho.....	WKX	300, 450, 600.....	PG-X	.....do.....	
West Wauma.....	WSUE	300, 450, 600.....	PG-X	.....do.....	S. O. R. S.
West Waunake.....	WSUI	300, 600.....	PG-X	.....do.....	
Westwego.....	KGE	300, 450, 600.....	PG-X	Union Petroleum S. S. Co.	R. C. of A.
West Wind.....	KJH	300, 600.....	PG-X	U. S. S. B.	
Westwood.....	WTF	300, 450, 600.....	PG-N	.....do.....	
West Zeda.....	WKUU	300, 600.....	PG-X	.....do.....	
West Zucker.....	WJIA	300, 600.....	PG-X	.....do.....	
West Zula.....	WQE0	300, 600.....	PG-X	.....do.....	
W. F. Burrows.....	WHG	300, 450, 550, 600	PG-X	Libby, McNeill & Libby.....	S. O. R. S.
W. F. White.....	WGC	300, 600.....	PG-X	Limestone Transpn. Co.	R. C. of A.
Wheatland, Mon-tana.....	KISF	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Wheeling Mold.....	KUNM	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
Whitemarsh.....	KOMG	300, 600.....	P-X	E. J. Stotesbury.....	Owner of vessel.
W. H. Libby.....	KDMP	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	R. C. of A.
W. H. McGean.....	WMIO	300, 600.....	PG-X	Pioneer S. S. Co.	Do.
W. H. Tilford.....	KPD	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	Do.
Wicasta.....	KIJG	300, 600.....	PG-X	U. S. S. B.	
Wichita.....	KDMU	300, 600.....	PG-X	.....do.....	
Wildwood.....	KORV	300, 600.....	PG-X	.....do.....	S. O. R. S.
Wilhelmina.....	WMO	300, 450, 600.....	PG-N	Matson Navigation Co.	R. C. of A.
Willamette.....	WSW	300, 600.....	PG-N	Willamette S. S. Co.	Owner of vessel.
Willett.....	KDKS	300, 600.....	PG-X	U. S. S. B.	S. O. R. S.
Willfaro.....	KITX	300, 600.....	PG-X	Williams S. S. Co.	R. C. of A.
Willhilo.....	KUGV	300, 450, 600.....	PG-X	U. S. S. B.	Do.
William A. Mc-Kenney.....	WOM	300, 600.....	PG-X	Crowell & Thurlow S. S. Co.	
William A. Paine.....	KDXZ	300, 600.....	PG-X	Pioneer S. S. Co.	Do.
William A. Reiss.....	WNI	300, 600.....	PG-X	Reiss S. S. Co.	Do.
William G. Mather.....	KKUI	300, 450, 600.....	PG-X	Cleveland Cliffs Iron Co.	Do.
William Green.....	WIY	300, 450, 600.....	PG-X	Pan-Am. Petr. & Trans. Co.	Do.
William H. Do-heny.....	KDKG	300, 450, 600.....	PG-X	.....do.....	Do
William H. Webb.....	KOZV	300, 600.....	PG-X	U. S. S. B.	
William Isom.....	KVY	300, 450, 600.....	PG-X	American Italian S. S. Co.	Do.
William N. Page.....	WFOO	300, 450, 600.....	PG-X	Castner, Curran & Bullitt	Do.
William Penn.....	KDGV	300, 600.....	PG-X	U. S. S. B.	S. O. R. S.
William T. Roberts.....	KDUJ	300, 600.....	PG-X	American S S Co.	
Willimantic.....	KMIO	300, 450, 600.....	PG-X	U. S. S. B.	R. C. of A.
Willpolo.....	KOBM	300, 600.....	PG-X	William S. S. Co.	Do.
Willsolo.....	KUDL	300, 450, 600.....	PG-X	U. S. S. B.	I. W. T. Co.
Wilscox.....	WPAO	300, 600.....	PG-X	.....do.....	R. C. of A.
Windber.....	WND	300, 450, 600.....	PG-N	Pacific-American Fisheries	Do.
Winding Gulf.....	WFEE	300, 600.....	PG-X	Castner, Curran & Bullitt	
Winifred.....	KTE	300, 600.....	PG-X	Gulf Refining Co.	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Winnebago.....	KTEI	300, 450, 525, 600	PG-X	American Transatlantic Co....	S. O. R. S.
Winneconne.....	KDFY	300, 600.....	PG-X	Winneconne S. S. Corp.....	Do.
Winona.....	KUNV	300, 600.....	PG-X	U. S. S. B.....	R. C. of A.
Winona County.....	KIZR	300, 450, 600.....	PG-N	do.....	
Winston-Salem.....	KUJS	300, 600.....	PG-X	do.....	
Winyah.....	KIMM	300, 450, 600.....	PG-X	do.....	
Wisconsin Bridge.....	KIBM	300, 600.....	PG-X	American S. S. Corp.....	
Wisdom II.....	KDNM	300, 600.....	PG-X	E. A. Salisbury.....	
Wishkah.....	KNEU	300, 600.....	PG-X	U. S. S. B.....	
Wista.....	KOTP	300, 600.....	PG-X	Wista S. S. Corp.....	Owner of vessel. S. O. R. S. I. W. T. Co.
W. J. Crosby.....	WXOE	300, 450, 600.....	PG-X	North Shore Transit Co.....	R. C. of A.
W. J. Hanna.....	KDKX	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
W. L. Connell.....	KQB	300, 450, 600.....	PG-X	Sinclair Gulf Corp.....	Do.
W. L. Steed.....	WSEE	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Wm. B o y c e Thompson.....	KDHS	300, 600.....	PG-N	Sinclair Navigation Co.....	Do.
W. M. Burton.....	KMIU	300, 600.....	PG-X	Atlantic Refining Co.....	
Wm. F. Herrin.....	WTN	300, 600, 1800.....	PG-X	Associated Oil Co.....	F. T. Co.
Wm. G. Howard.....	KIST	300, 600.....	PG-X	Thomas J. Howard.....	I. W. T. Co.
Wm. G. Warden.....	KNF	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. of A.
W. M. Irish.....	KJOE	300, 600.....	PG-X	Atlantic Refining Co.....	Do.
Wm. Rockefeller.....	KDVI	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
W. M. Tupper.....	WJR	300, 600.....	PG-X	Gulf & Southern S. S. Co.....	
Wogo.....	KDWM	300, 600.....	PR-X	Claud Nolan.....	Owner of vessel.
Wolverine State.....	KDMQ	300, 450, 600.....	PG-N	U. S. S. B.....	R. C. of A.
Woodmansie.....	KIFP	300, 450, 600.....	PG-X	do.....	
Woonsocket.....	WCW	300, 450, 600.....	PG-X	do.....	
Worcester.....	KIKL	300, 600.....	PG-X	do.....	
W. S. Miller.....	KDMR	300, 600.....	PG-X	Standard Oil Co. of N. J.....	
W. S. Porter.....	WTM	300, 600, 1800.....	PG-X	Associated Oil Co.....	F. T. Co.
W. S. Rheeem.....	KDWP	300, 600.....	PG-X	Standard Oil Co. of Calif.....	R. C. of A.
Wyandotte.....	WCO	300, 600.....	PG-X	Wyandotte Transpn. Co.....	Do.
Wyandotte.....	WJW	300, 450, 600.....	PG-N	U. S. S. B.....	
Wynochee.....	KFE	300, 600.....	PG-X	do.....	
Wynetheville.....	KITL	300, 450, 600.....	PG-X	do.....	
Yadkin.....	KWL	300, 600.....	PG-X	do.....	
Yaka.....	KDDF	300, 450, 600.....	PG-X	do.....	
Yaklok.....	KIGX	300, 450, 600.....	PG-X	do.....	
Yale.....	WRY	300, 600.....	PG-N	Los Angeles S. S. Co.....	F. T. Co.
Yalza.....	KDJK	300, 600, 1800.....	PG-X	U. S. S. B.....	R. C. of A.
Yankee Arrow.....	KDTG	300, 600.....	PG-X	Standard Transpn. Co.....	
Yapalaga.....	KDHK	300, 450, 600.....	PG-X	U. S. S. B.....	
Yesoking.....	KERQ	300, 600.....	PG-X	do.....	
Yomachichi.....	WPAI	300, 600.....	PG-X	do.....	
Yorba Linda.....	KDNS	300, 600.....	PG-X	General Petroleum Corp.....	I. W. T. Co.
York Harbor.....	KOJB	300, 600.....	PG-X	U. S. S. B.....	Do.
Yosemite.....	KDWE	300, 600.....	PG-X	Pope & Talbot.....	S. O. R. S.
Yosemite.....	KYS	300, 450, 600.....	PG-X	U. S. S. B.....	
Youngstown.....	KIFX	300, 450, 600.....	PG-X	do.....	
Yucatan.....	WLG	300, 600.....	PG-N	N. Y. & Cuba Mail S. S. Co.....	I. W. T. Co.
Yucca.....	KWJ	300, 600.....	PG-X	U. S. S. B.....	
Yukon.....	WXEU	300, 600.....	PG-N	do.....	
Yuma.....	WJAI	300, 600.....	PG-X	Tropical Fruit Co.....	
Zacapa.....	KLE	300, 450, 600.....	PG-N	United Fruit Co.....	T. R. T. Co.
Zapora.....	WPQ	300, 600.....	PG-X	Booth Fisheries Co.....	S. O. R. S.
Zaremba.....	KICS	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Zirkel.....	WREO	300, 600.....	PG-X	do.....	
Zulia.....	KDZ	300, 450, 600.....	PG-N	Atlantic & Caribbean Steam Navigation Co.....	R. C. of A.

**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.**

Call signal.	Station.		Call signal.	Station.
KDA	Philadelphia.....	b	KDBB	I. C. White.....
KDAB	Hog Island, Pa.....	c	KDDC	Algic.....
KDAC	Sinasta.....	b	KDDE	Lorraine Cross.....
KDAD	Agwisen.....	b	KDDF	Yaka.....
KDAF	Peconic.....	b	KDDG	Theodore F. Reynolds.....
KDAG	M. M. Davis.....	b	KDDH	Sumanco.....
KDAH	Fairport, Va.....	c	KDDI	Sutermco.....
KDAK	Van Camp No. II.....	b	KDDK	John Englis.....
KDAM	West Norns.....	b	KDDL	Carlton.....
KDAN	West Kebar.....	b	KDDM	Hastings.....
KDAP	West Kedron.....	b	KDDN	Carenco.....
KDAR	President Monroe.....	b	KDDO	Steel Exporter.....
KDAS	Siskiyou.....	b	KDDP	Sudufco.....
KDAT	Pomona.....	b	KDDDQ	Surico.....
KDAV	Dartford.....	b	KDDR	Susherico.....
KDAW	City of Fort Worth.....	b	KDDS	Halsey.....
KDAX	Antinous.....	b	KDDT	Stockton.....
KDAY	Tolosa.....	b	KDDU	Derblay.....
KDAZ	Eastern Exporter.....	b	KDDV	Heber.....
KDB	Caracas.....	b	KDDY	Culberson.....
KDBA	Depere.....	b	KDDZ	Santa Eulalia.....
KDBB	Topa Topa.....	b	KDE	Cassimiro.....
KDBC	Agwimoon.....	b	KDEA	Carrillo.....
KDBF	Eagle.....	b	KDEB	Lake Fernwood.....
KDBG	Edris.....	b	KDEC	Gulfstar.....
KDBH	Forest King.....	b	KDED	Syros.....
KDBI	Trinity.....	b	KDEM	Lena Luckenbach.....
KDBJ	Steel Worker.....	b	KDEN	Baytown.....
KDBK	Maud F.....	b	KDEP	Dearborn, Mich.....
KDBL	West Camargo.....	b	KDEQ	Northville, Mich.....
KDBM	Meton.....	b	KDER	Hoboken.....
KDBN	Cananova.....	b	KDES	Carrabulle.....
KDBP	Chester Kiwanis.....	b	KDET	Carplaka.....
KDBQ	Sutorpeo.....	b	KDEV	Geo. L. Harvey.....
KDBR	Suneweo.....	b	KDEW	Gladysbe.....
KDBS	Surailco.....	b	KDEX	Philip Publicker.....
KDBT	Durango.....	b	KDEY	Cody.....
KDBU	Haymon.....	b	KDEZ	Sudurco.....
KDBV	Santa Isabel.....	b	KDF	Eastern Temple.....
KDBW	Sawokla.....	b	KDFA	Copename.....
KDBX	Mount Clay.....	b	KDFB	Hyder, Alaska.....
KDBY	Eastern Importer.....	b	KDFC	New Orleans.....
KDBZ	Apus.....	b	KDFD	Potter.....
KDC	Laramie, Wyo.....	c	KDFE	Gateway City.....
KDCA	Hybert.....	b	KDFG	Provincetown.....
KDCB	Sapulpa.....	b	KDFH	Castana.....
KCDC	James Otis.....	b	KDFI	Catahoula.....
KDCE	Mobile City.....	b	KDFJ	Tomalva.....
KDCF	Rotarian.....	b	KDFK	Sulanierco.....
KDCG	Independence Hall.....	b	KDFM	Sudawsorco.....
KDCH	Pachet.....	b	KDFN	Suscolanco.....
KDCI	President Fillmore.....	b	KDFQ	Manatawny.....
KDCJ	Egeria.....	b	KDFR	Grifco.....
KDCK	Delivery No. 5.....	b	KDFS	Halway.....
KDCL	George Washington.....	b	KDFT	Hannawa.....
KDCM	President Cleveland.....	b	KDFU	Janelew.....
KDCN	Atlanta of Texas.....	b	KDFV	Mursa.....
KDCO	Houston.....	b	KDFW	Jeptna.....
KDCP	Halo.....	b	KDFX	Lavada.....
KDCQ	Mosella.....	b	KDFY	West Carmona.....
KDCR	Haynie.....	b	KDFZ	West Homaker.....
KDCS	Hollywood.....	b	KDG	Winnecome.....
KDCT	Palo Alto.....	b	KDGA	East Hampton.....
KDCU	Mevania.....	b	KDGK	Parismina.....
KDCV	West Canon.....	b	KDGL	Hera.....
KDCW	Jalapa.....	b	KDGM	Bayou Chico.....
KDCX	Steel Engineer.....	b	KDGN	Steel Ranger.....
KDCY	Surinam.....	b	KDGO	John Stevens.....
KDCZ	Mount Vernon.....	b	KDGP	Donna Lane.....
KDDA	Cartago.....	b		Clement Smith.....
	Red Hook.....	b		Muskegon.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KDGQ	Elisha Walker.....	b	KDK	Atenas.....
KDGR	Lake Gano.....	b	KDKB	Eastern Sword.....
KDGS	City of Rayville.....	b	KDKC	Hopatcong.....
KDGT	Tulsa, Okla.....	c	KDKD	Emergency Aid.....
KDGU	Quincy, Mass.....	c	KDKG	William H. Doheny.....
KDGV	William Penn.....	b	KDKH	Algonquin.....
KDGW	China Arrow.....	b	KDKK	Minnekahta.....
KDGX	Bonnie Brook.....	b	KDKL	Camden.....
KDGY	Kekoskee.....	b	KDKM	Natirar.....
KDGZ	Nora.....	b	KDKN	Dinsmore.....
KDH	Heredia.....	b	KDKP	Lake Gatun.....
KDHA	Suricho.....	b	KDKQ	Rodman Swift.....
KDHB	Suremico.....	b	KDKR	Warbler.....
KDHC	Harvester.....	b	KDKS	Willett.....
KDHD	Edgar F. Coney.....	b	KDKT	El Estero.....
KDHF	President Van Buren.....	b	KDKU	Dan F. Hanlon.....
KDHG	Pagasset.....	b	KDKX	W. J. Hanna.....
KDHH	Charles H. Cramp.....	b	KDKY	Peacock.....
KDHI	Intrepid.....	b	KDL	Levisa.....
KDHJ	Bibco.....	b	KDLA	Charlie Watson.....
KDHK	Yapalaga.....	b	KDLB	President Hayes.....
KDHL	Argosy.....	b	KDLC	Pearlond.....
KDHO	Japan Arrow.....	b	KLDL	Suwarinco.....
KDHP	India Arrow.....	b	KDLE	Suwodenco.....
KDHQ	Java Arrow.....	b	KDLF	Sujameco.....
KDHR	J. Fletcher Farrel.....	b	KDLG	Reaper.....
KDHS	Wm. Boyce Thompson.....	b	KDLH	Franklin K. Lane.....
KDHT	Santa Veronica.....	b	KDLJ	Artemis.....
KDHU	Lilmae.....	b	KDLK	Cuba.....
KDHV	Brush.....	b	KDLL	A. L. Kent.....
KDHX	A. A. Dougherty.....	b	KDLM	Wacosta.....
KDHY	Eastern Leader.....	b	KDLN	Henry S. Grove.....
KDHZ	Dawn.....	b	KDLO	Tuscaloosa City.....
KDI	Abangarez.....	b	KDLS	Sugillenco.....
KDIB	Rawlins, Wyo.....	c	KDLT	George Pierce.....
KDIC	Ferris Oil Field, Wyo.....	c	KDLU	Blue Point.....
KDID	Medon.....	b	KDLW	Herman Frasch.....
KDIF	Hanley.....	b	KDLX	Mary Luckenbach.....
KDIG	Narbo.....	b	KDLY	Sugarland, Texas.....
KDIH	Narcissus.....	b	KDLZ	Galveston, Texas.....
KDIJ	Cuprum.....	b	KDM	Maracaibo.....
KDIK	West Cussetta.....	b	KDMA	Eugene V. R. Thayer.....
KDIL	Grifdu.....	b	KDMB	Agwisea.....
KDIM	George E. Weed.....	b	KDMC	Agwimars.....
KDIN	Colin H. Livingstone.....	b	KCMD	Agwiworld.....
KDIP	Vaba.....	b	KDME	Moffitt.....
KDIQ	Cedarhurst.....	b	KDMG	Estrada Palma.....
KDIR	Lake Ontario.....	b	KDMH	Mennnon.....
KDIS	Lakebridge.....	b	KDMI	Namsket.....
KDIT	Lake Superior.....	b	KDMJ	Peralta.....
KDIV	Lakeshore.....	b	KDMK	Fort Worth, Texas.....
KDIW	Lake Weir.....	b	KDML	S. C. T. Dodd.....
KDIX	Lakeview.....	b	KDMM	Nacata.....
KDIY	Lake Dunnmore.....	b	KDMN	John Worthington.....
KDIZ	Lake George.....	b	KDMO	Muriel.....
KDJ	San Jose.....	b	KDMP	W. H. Libby.....
KDJB	Fort George.....	b	KDMQ	Wolverine State.....
KDJC	Lakewood.....	b	KDMR	W. S. Miller.....
KDJD	Lake Traverse.....	b	KDMS	Samuel L. Fuller.....
KDJE	Lake Stirling.....	b	KDMT	Joseph M. Cudahy.....
KDJF	Vittorio Emmanuele III.....	b	KDMU	Wichita.....
KDJG	Westmount.....	b	KDMV	City of Elwood.....
KDJH	Westboro.....	b	KDMY	P. J. Reilly.....
KDJJ	Chetopa.....	b	KDMZ	District of Columbia.....
KDJK	Nipsic.....	b	KDNA	El Isleo.....
KDJL	Yalza.....	b	KDND	Quinault.....
KDJM	Steel Inventor.....	b	KDNF	Dewey.....
KDJO	Storm King.....	b	KDNG	Swiftsure.....
KDJP	Oneida.....	b	KDNH	SuJerseyco.....
KDJQ	Kiowa.....	b	KDNI	Sunewarkco.....
KDJR	Cayuga.....	b	KDNJ	Kingfisher.....
KDJS	Onondaga.....	b	KDNK	M. F. Elliott.....
KDJT	Chippewa.....	b	KDNL	Durham.....
KDJU	Daly, Alaska.....	c	KDNM	Wisdom II.....
KDJV	Warren, Alaska.....	c	KDNN	Agwilake.....
KDJX	Joseph Seep.....	b	KDNO	Gulfking.....
KDJY	Romagne.....	b	KDNP	City of Dalhart.....
KDJZ	Natchez.....	b	KDNR	Lake Miraflores.....
	Montgomery City.....	b	KDNS	Yorba Linda.....

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
KDNV	President Pierce.....	b	KDRK	Swift eagle.....
KDNW	El Lago.....	b	KDRL	President Adams.....
KDNX	Sunungenco.....	b	KDRM	Henry D. Whiton.....
KDNY	Favorite.....	b	KDRN	E. W. Sinclair.....
KDNZ	Gorgona.....	b	KDRQ	San Francisco, Calif.....
KDO	Esparta.....	b	KDRP	Suphenco.....
KDOB	Ala.....	b	KDRQ	Manulan.....
KDOC	Cebu.....	b	KDRR	Delphine.....
KDOD	Livingstone Roe.....	b	KDRS	Mindoro.....
KDOF	Bessemer City.....	b	KDRT	Cuba.....
KDOH	Crampton Anderson.....	b	KDRU	Luzon.....
KDOI	Consort.....	b	KDRV	Mount Clinton.....
KDOJ	Sea Lion.....	b	KDRW	Buckeye State.....
KDOK	Albert E. Watts.....	b	KDRX	Agwihiavre.....
KDOL	F. C. Latrobe.....	b	KDRY	Nixon Fork, Alaska.....
KDOM	Annapolis.....	b	KDRZ	Tulsagas.....
KDOQ	Richmond.....	b	KDS	Sixaola.....
KDOR	Thomas H. Wheeler.....	b	KDSA	Swiftlight.....
KDOS	Swift Arrow.....	b	KDSB	E. T. Bedford.....
KDOT	President Jefferson.....	b	KDSC	Vicksburg.....
KDOV	Stonewall.....	b	KDSD	Thomas Crowley.....
KDOW	America.....	b	KDSF	Manukai.....
KDOX	Pocahontas.....	b	KDSG	Anniston City.....
KDOY	Westland.....	b	KDSH	Hambro.....
KDOZ	President Polk.....	b	KDSI	Swift Wind.....
KDPA	President Jackson.....	b	KDSJ	Undaunted.....
KDPB	Suspearco.....	b	KDSK	Gloria West.....
KDPD	Mauna Kea.....	b	KDSL	President McKinley.....
KDPE	Gargoyle.....	b	KDSM	Nashaba.....
KDPF	Swiftstar.....	b	KDSO	Lio.....
KDPG	Liebre.....	b	KDSP	Dixiano.....
KDPH	Detroit, Mich.....	c	KDSQ	Sea Ranger.....
KDPJ	Superior, Mich.....	c	KDSR	Agwibay.....
KDPJ	Port Huron, Mich.....	c	KDSS	Puente.....
KDPK	Franklin.....	b	KDST	Tecomate.....
KDPL	Walter Jennings.....	b	KDSU	Totoco.....
KDPM	Cleveland, Ohio.....	c	KDSV	President Wilson.....
KDPN	Arden.....	b	KDSW	Atlanta City.....
KDPO	Agwistone.....	b	KDSX	West Faralon.....
KDPQ	Kennecott.....	b	KDSY	Sea Scout.....
KDPQ	Tuxpanoil.....	b	KDSZ	Illinois.....
KDPR	Montebello.....	b	KDT	Turrialba.....
KDPS	Baytown, Texas.....	c	KDTA	Liberator.....
KDPU	Cascada, Calif.....	c	KDTB	Bohemian Club.....
KDPV	Camp 60, Calif.....	c	KDTC	President Garfield.....
KDPW	Camp 61, Calif.....	c	KDTD	David McKelvy.....
KDPX	La Placencia.....	b	KDTD	Playa.....
KDPY	Fairfield City.....	b	KDTF	Betty R.....
KDPZ	Gold Star.....	b	KDTG	Yankee Arrow.....
KDQ	Santore.....	b	KDTH	"323".....
KDQB	Ward.....	b	KDTI	Nourmahal.....
KDQD	E. R. Kemp.....	b	KDTJ	Hammac.....
KDQE	Galveston.....	b	KDTK	Colonial.....
KDQF	Jeff Davis.....	b	KDTL	Nedeva II.....
KDQG	Oldham.....	b	KDTM	American Legion.....
KDQH	Meanticut.....	b	KDTN	Hamer.....
KDQI	West O'Rowa.....	b	KDTO	Thomas P. Bea.....
KDQJ	Solana.....	b	KDTP	J. N. Pew.....
KDQL	Sucubaco.....	b	KDTQ	Bowdoin.....
KDQM	Aladdin.....	b	KDTR	Memphis City.....
KDQQ	Pocantico.....	b	KDTT	Adler.....
KDQR	John C. Kirkpatrick.....	b	KDTU	J. A. Moffett, Jr.....
KDQS	Cerro-Ebano.....	b	KDTV	West Greylock.....
KDQT	Mount Carroll.....	b	KDTW	Tustem.....
KDQU	Sea Monarch.....	b	KDTX	Patricia.....
KDQV	Swift Scout.....	b	KDTY	Half Moon.....
KDQW	Cairo.....	b	KDTZ	Southern Cross.....
KDQX	St. Louis.....	b	KDU	Point Reyes, Calif.....
KDQY	Cerro-Azul.....	b	KDUB	Harry Yates.....
KDQZ	Frank G. Drum.....	b	KDUC	Lubrico.....
KDR	Limon.....	b	KDUD	Knoxville City.....
KDRA	Fearless.....	b	KDUF	Speejacks.....
KDRB	Gulf Prince.....	b	KDUG	Empire Arrow.....
KDRC	Agwsmith.....	b	KDUH	Louis R. Davidson.....
KDRD	R. J. Hanna.....	b	KDUJ	William T. Roberts.....
KDRE	K. R. Kingsbury.....	b	KDUK	West Prospect.....
KDRH	Ruby (moored vessel).....	c	KDUL	Theodore H. Wickwire, Jr.....
KDRI	Acropolis.....	b	KDUM	John D. Archbold.....
KDRJ	Selma City.....	b	KDUN	Ripple.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KDUP	Guinevere	b	KDXU	Joseph G. Butler, jr.
KDUQ	Agwimex	b	KDXV	J. J. Sullivan
KDUR	T. J. Williams	b	KDXW	James P. Walsh
KDUT	Pine Tree State	b	KDXX	J. T. Hutchinson
KDUV	Margaret Dollar	b	KDXY	Martin Mullen
KDUW	Chattanooga City	b	KDXZ	William A. Paine
KDUX	G. N. Wilson	b	KDY	Walter D. Noyes
KDUY	President Lincoln	b	KDYA	Resolute
KDUZ	M. A. Reeb	b	KDYB	Spray
KDV	Libby Maine	b	KDYC	Viking
KDVA	Tamiahua	b	KDYD	Californian
KDVB	Pollillo	b	KDYE	Reliance
KDVC	Gertrude	b	KDYF	Bernice
KDVD	Levant Arrow	b	KDYG	Boy Scout
KDVE	Robert E. Hopkins	b	KDYH	Frages
KDVF	Adam E. Cornelius	b	KDYI	Western World
KDVG	Faith	b	KDYJ	Meteor
KD VH	West Chopaka	b	KDYK	H. F. Alexander
KDVI	Wm. Rockefeller	b	KDYP	Anvil
KDVJ	La Purisima	b	KDYT	Astoria
KDVK	F. H. Hillman	b	KDYZ	Dolphin
KDVL	Birkhead	b	KDZ	Zulfa
KDVM	H. T. Harper	b	KDZC	Theodore H. Wickwire
KDVN	Steel Seafarer	b	KDZN	Calcite
KDVO	Samuel Q. Brown	b	KDZO	Marore
KDVP	Norwhal	b	KDZS	Guarina
KDVR	President Madison	b	KDZV	Pacific
KDVS	Jacob T. Kopp	b	KDZY	G. S. Allyn
KDVT	Dixie Arrow	b	KEA	Seldovia, Alaska
KDVV	H. M. Storey	b	KEB	Sabine
KDWW	Steel Scientist	b	KEBD	Abro
KD VX	Baton Rouge	b	KEBF	Edgefield
KDVY	Memphis	b	KEBM	Lake Giltedge
KDVZ	Centurion	b	KEBN	Lake Girth
KDW	Nakat Inlet, Alaska	c	KEBP	Lake Farabee
KDWA	Clifford F. Moll	b	KEBQ	West Henshaw
KDWB	John J. Boland	b	KEBR	Lake Strabo
KDWC	Loilomi	b	KEBS	Jekyl
KDWD	New Jersey	b	KEBT	Nesco
KDWE	Yosemite	b	KEBV	Lake Flushing
KDWF	All America	b	KEBX	Remus
KDWG	Asher J. Hudson	b	KEBZ	The Lambs
KDWH	Munargo	b	KEC	Concho
KDWI	Equator	b	KECB	Edenton
KDWJ	Spray	b	KECG	Chicago Bridge
KDWK	President Taft	b	KECJ	Decatur Bridge
KDWL	Steel Navigator	b	KECK	Hico
KDWM	Wogo	b	KECL	Opelika
KDWN	Byron D. Benson	b	KECM	Lake Gitano
KDWO	Alpha	b	KECN	Lake Fannin
KDWP	W. S. Rheeem	b	KECR	West Tacock
KDWQ	Delaware Sun	b	KECS	Duquesne
KDWR	Invader	b	KECV	Lake Flynas
KDWS	President Roosevelt	b	KECX	West Imboden
KD WU	Fortuna	b	KED	Siasi, P. I.
KDWW	Bethore	b	KEDG	Kamessit
KDWX	Cathay	b	KEDJ	Marne
KDWY	Federal	b	KEDK	Onekama
KDWZ	Pan America	b	KEDM	Lake Faribault
KDX	Firmore	b	KEDN	Baracoa
KDXA	Fort McHenry	b	KEDP	Lake Farley
KDXB	Fidus	b	KEDQ	West Maximus
KDXC	Allen	b	KEDR	Western Glen
KDXD	Stuart Dollar	b	KEDT	West Quechee
KDXE	Jacob Luckenbach	b	KEDV	West Nosska
KDXF	La Jota	b	KEDX	West Hardaway
KDXG	Daniel Kern	b	KEDZ	West Hargrave
KDXI	Oriental	b	KEE	West Catanace
KDXJ	G. A. Tomlinson	b	KEF	Henry R. Mallory
KDXK	F. R. Hazard	b	KEFB	Sac City
KDXL	E. L. Pierce	b	KEFC	West Carnifax
KDXM	Frank Billings	b	KEFD	Bar Harbor
KDXN	Polynesia	b	KEFJ	Copalgrove
KDXO	Australia	b	KEFK	Cerro Gardo
KDXP	Amazon	b	KEFL	Chamberino
KDXQ	A. A. Augustus	b	KEFM	Lake Inaha
KDXR	Price McKinney	b	KEFN	Lake Friar
KDXS	Harold B. Nyce	b	KEFP	Lake Frio
KDXT	John Stanton	b	KEFQ	Western Knight

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station	Call signal.	Station.
KEFR	Ossining.....b	KENQ	Ballew.....b
KEFS	West Harlan.....b	KENR	Itompa.....b
KEFT	City of Eureka.....b	KENS	Cabriole.....b
KEFX	West Harshaw.....b	KENV	Ballecamp.....b
KEFZ	West Harts.....b	KENX	Clincho.....b
KEG	Rio Grande.....b	KEO	Bongao, P. I.....e
KEGC	Bristol.....b	KEP	Lampasas.....b
KEGF	Eclipse.....b	KEPD	Diablo.....b
KEGG	Chamblee.....b	KEPF	Mercer.....b
KEGJ	Chaparel.....b	KEPG	Agwistar.....b
KEGK	Chantier.....b	KEPJ	Brevard.....b
KEGL	Lake Foxcraft.....b	KEPK	Briarcliff.....b
KEGM	Dirigo.....b	KEPL	Aledo.....b
KEGN	Lake Frofono.....b	KEPM	Lake Elkwater.....b
KEGP	Lake Frugality.....b	KEPN	Lake Ellendale.....b
KEGR	Lake Frohna.....b	KEPP	Lake Ellenorah.....b
KEGS	West Hartland.....b	KEPQ	Proctor.....b
KEGT	West Hartley.....b	KEPR	Sahale.....b
KEGX	West Hassayampa.....b	KEPS	Lazy Bay, Alaska.....e
KEH	Nueces.....b	KEPT	Saco.....b
KEI	Medina.....b	KEPV	Wallingford.....b
KEJ	Alamo.....b	KEQ	Port Walter, Alaska.....e
KEJD	Easterling.....b	KEQB	Dallas.....b
KEJF	Western Ally.....b	KEQJ	Baldrock.....b
KEJG	Lake Fraichur.....b	KEQK	Belvidere.....b
KEJJ	Lake Frailey.....b	KEQM	Lake Ellerslie.....b
KEJK	Lake Grainger.....b	KEQN	Lake Ellicott.....b
KEJL	Lake Gramma.....b	KEQP	Lake Festina.....b
KEJN	Lake Fanbush.....b	KEQR	Galahad.....b
KEJP	Lake Faulk.....b	KEQV	Pisco.....b
KEJQ	Cabegon.....b	KEQX	Salaverry.....b
KEJS	West Amargosa.....b	KER	H. M. Flagler.....b
KEJT	D. F. McAllister.....b	KERP	Star of Greenland.....b
KEJV	Faraby.....b	KERG	Shooters Island.....b
KEJX	Transportation.....b	KERJ	West Erral.....b
KEK	San Marcos.....b	KERM	Lake Festus.....b
KEKB	East Wind.....b	KERN	Lake Fibre.....b
KEKC	Norma.....b	KERP	Lake Fielding.....b
KEKD	West Cobalt.....b	KERQ	Yeosking.....b
KEKG	Lake Grampian.....b	KERR	Benoiti.....b
KEKJ	Lake Grampus.....b	KERT	Bethelbridge.....b
KEKL	Saguache.....b	KERX	Miller County.....b
KEKM	Lake Fansdale.....b	KERZ	Cecil County.....b
KEKN	Lake Fanquier.....b	KES	San Jacinto.....b
KEKP	Lake Furlough.....b	KESB	Lake Fo'boro.....b
KEKQ	Castle Wood.....b	KESC	Sacandaga.....b
KEKR	Homestead.....b	KESD	Castle Point.....b
KEKS	Tartar.....b	KESG	Sapinero.....b
KEKT	Oscoda.....b	KESJ	West Caruth.....b
KEKZ	Bluffton.....b	KESK	Lake Flovilla.....b
KEL	Isonomia.....b	KESM	Lake Fife.....b
KELB	North Pole.....b	KESN	Lake Figit.....b
KELC	Polar Star.....b	KESP	Lake Fighting.....b
KELG	Buckhammon.....b	KESQ	Bidwell.....b
KELK	West El Cajon.....b	KESR	Hampton Roads.....b
KELM	Lake Fernando.....b	KESV	City of Freeport.....b
KELN	Lake Ferrona.....b	KESX	Warwick.....b
KELQ	Prusa.....b	KET	Henry Clay.....b
KELS	Damakan.....b	(Bohra, Calif. (transmitting))	b
KELZ	Nawitka.....b	(Marshall, Calif. (receiving))	e
KEM	Comal.....b	KETG	Braddock.....b
KEMG	Susana II.....b	KETM	Askawake.....b
KEMJ	Panay.....b	KETN	Edgehill.....b
KEMK	Hoxie.....b	KETP	Edgemont.....b
KEML	Jacox.....b	KETX	Georgina Ralph.....b
KEMM	Covalt.....b	KETZ	Annette Ralph.....b
KEMN	Covedale.....b	KEU	S. V. Harkness.....b
KEMP	Covena.....b	KEV	Cagayan de Suu, P. I.....e
KEMT	Tavernilla.....b	KEVB	Ossawatomie.....b
KEMX	West Vaca.....b	KEVD	West Corum.....b
KEMZ	Ballenias.....b	KEVF	Edgemoor.....b
KEN	San Diego, Calif.....c	KEVG	Eldena.....b
KENC	East Cape.....b	KEVJ	Fort Seward.....b
KEND	Triumphi.....b	KEVM	Nishmaha.....b
KENG	West Avenal.....b	KEVN	Osaquimisick.....b
KENJ	West Compo.....b	KEVP	Ozette.....b
KENK	West Modus.....b	KEVR	Hartwood.....b
KENN	Coverun.....b	KEVS	Chappell.....b
KENN	Cowan.....b	KEVT	Schodack.....b
KENP	Lake Elkwood.....b	KEVV	Schoharie.....b

**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.**

Call signal.	Station.	Call signal.	Station.		
KEVX	Tollard.....	b	KGUI	Apex.....	b
KEVZ	Lake Faresman.....	b	KGV	Castle Lodge.....	b
KEW	Balabac, P. I.....	c	KGX	Sewalls Point.....	b
KEX	Josiah Macy.....	b	KGZ	Julia Luckenbach.....	b
KEXB	McKeesport.....	b	KHA	Uyak, Alaska.....	e
KEXF	West Munham.....	b	KHB	Kvichak, Alaska.....	e
KEXG	West Nohno.....	b	KHC	Chignik, Alaska.....	e
KEXJ	West Togus.....	b	KHE	Lake Silver.....	b
KEXK	West Totant.....	b	KHF	Snag Point, Alaska.....	e
KEXL	Lake Folcroft.....	b	KHG	Clarks Point, Alaska.....	e
KEXM	Wawalona.....	b	KHH	San Francisco, Calif.....	e
KEXN	Moline.....	b	KHI	Los Angeles, Calif.....	e
KEXQ	South Bend.....	b	KHK	Wahiawa, Hawaii (Island of Oahu).....	e
KEXR	Grand Haven.....	b	KHL	Lahaina, Hawaii (Island of Maui).....	e
KEXS	Milwaukee.....	b	KHM	Lihue, Hawaii (Island of Kauai).....	e
KEXT	Peter H. Crowell.....	b	KHN	Kawaihae, Hawaii (Island of Hawaii).....	e
KEXV	Hoven.....	b	KHO	Kaunakakai, Hawaii (Island of Molokai).....	e
KEXX	West Cajoot.....	b	KHP	Mangore.....	b
KEXZ	Glymont.....	b	KHR	J. W. Van Dyke.....	b
KEY	Cape Edwards, Alaska.....	e	KHS	H. C. Folger.....	b
KEZ	San Lorenzo.....	b	KHT	Naknek, Alaska.....	e
KEZB	Lake Sapor.....	b	KHU	Lake Ogden.....	b
KEZC	Lake Fonda.....	b	KHV	Lake Jessup.....	b
KEZD	Lake Fontana.....	b	KHW	Lake Charles.....	b
KEZF	Lake Fontanet.....	b	KHY	K. L. Luckenbach.....	b
KEZJ	Lake Gilboa.....	b	KHZ	Mystic.....	b
KEZK	Lake Gilpen.....	b	KIA	Ardmore.....	b
KEZL	Lake Gulta.....	b	KIB	Muskogee.....	b
KEZM	West Harcuvar.....	b	KIBB	Lake Glebe.....	b
KEZN	West Hembrie.....	b	KIBC	Silverbrook.....	b
KEZP	West Hematite.....	b	KIBD	Shenandoah.....	b
KEZQ	Glyndon.....	b	KIBF	Milwaukee Bridge.....	b
KEZR	West Celina.....	b	KIBG	National Bridge.....	b
KEZZ	Poughkeepsie.....	b	KIBJ	Passaic Bridge.....	b
KFA	City of Columbus.....	b	KIBK	Opequan.....	b
KFAA	Missourian.....	b	KIBL	Masca.....	b
KFAG	Bayonne.....	b	KIBM	Wisconsin Bridge.....	b
KFAH	Pilgrim.....	b	KIBN	Santa Malta.....	b
KFAI	Glendola.....	b	KIBQ	Saugus.....	b
KFAK	Alberta.....	b	KIBR	Craftsman.....	b
KFAL	Dolly C.....	b	KIC	Standard.....	b
KFAM	Hamilton.....	b	KICM	Edgewood.....	b
KFAO	Glendoyle.....	b	KICP	West Islay.....	b
KFB	City of Atlanta.....	b	KICQ	West Isleta.....	b
KFD	Lake Janet.....	b	KICR	Gaffney.....	b
KFE	Wynooche.....	b	KICS	Zarembo.....	b
KFEO	Monana.....	b	KICV	Gunston Hall.....	b
KFF	Frieda.....	b	KICZ	Admiral Evans.....	b
KFG	Feltoe.....	b	KID	Matinlock.....	b
KFH	West Ashawa.....	b	KIDB	Lake Granby.....	b
KFJ	City of Augusta.....	b	KIDC	Sataria.....	b
KFK	City of Savannah.....	b	KIDD	West Alcoz.....	b
KFL	Seattle, Wash.....	c	KIDF	Hegira.....	b
KFM	Camp 61-C.....	c	KIDJ	Mulpuia.....	b
KFN	Tormentor.....	b	KIDL	Genesee.....	b
KFO	Buccaneer.....	b	KIDM	Aniston.....	b
KFP	Nacoochee.....	b	KIDN	Chattanooga.....	b
KFQ	Owego.....	b	KIDP	Louisville Bridge.....	b
KFS	San Francisco, Calif. (Beach station).....	c	KIDQ	Schoodic.....	b
KFT	Everett, Wash.....	c	KIDR	Romulus.....	b
KFW	Freedom.....	b	KIDS	Lake Canaveral.....	b
KFX	City of St. Louis.....	b	KIDT	Barrallton.....	b
KFY	City of Montgomery.....	b	KIDV	Waukau.....	b
KGA	Coamo.....	b	KIDX	Waukegan.....	b
KGAE	New Windsor.....	b	KIDZ	Orleans.....	b
KGD	Suruga.....	b	KIE	Kahuku, Hawaii (transmitting).....	c
KGE	Westwego.....	b	KIF	Koko Head, Hawaii (receiving).....	c
KGH	Hillsboro, Oregon.....	c	KIFB	Davao, P. I.....	e
KGI	Kahuku, Hawaii (Oahu station).....	c	KIFC	West Irmo.....	b
KGJ	San Juan.....	b	KIFD	Hukey.....	b
KGK	Edgar F. Luckenbach.....	b	KIFG	West Cavanal.....	b
KGL	Dochra.....	b	KIFJ	Favorite.....	b
KGM	Mexicano.....	b	KIFK	Kishacoquillas.....	b
KGOE	Lake Harney.....	b	KIFL	Chautauqua.....	b
KGP	Ponce.....	b	KIFN	Stellaris.....	b
KGQ	Edward Luckenbach.....	b	KIFP	Hunrick.....	b
KGR	Cambridge.....	b	KIFQ	West Conob.....	b
KGS	Senator Bailey.....	b		Bound Brook.....	b
KGT	Princess.....	b			
KGUE	Caribbeau.....	b			

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
KIFR	Barranca.	b	KIMR	Dochet..
KIFV	Andrea F. Luckenbach.	b	KIMS	Burnwell..
KIFX	Youngstown.	b	KIMT	Mount Evans..
KIFZ	Lorain.	b	KIVM	Lake Cannonsburg..
KIG	Pioneer.	b	KIMX	Orinoco..
KIGB	Lake Glencoe.	b	KIMZ	Pipestone County..
KIGC	Humasconna.	b	KIN	Patrol..
KIGD	Hulver.	b	KINB	Ogontz..
KIGF	Seekonk.	b	KINC	Hyannis..
KIGG	Walden.	b	KIND	Rock Island..
KIGJ	Director.	b	KINF	Costigan..
KIGK	Intan.	b	KING	Watertown..
KIGL	Polybius.	b	KINJ	Lake Fabyan..
KIGM	Lake Farlin.	b	KINK	Lake Glasco..
KIGP	Gratis.	b	KINL	Pere Marquette 8..
KIGO	Santa Elisa.	b	KINM	Lehigh..
KIGR	Blair.	b	KINN	West Ison..
KIGS	Harry Luckenbach.	b	KINP	West Hepburn..
KIGT	Bessemere.	b	KINQ	Eelbeck..
KIGX	Yaklok.	b	KINR	Olen..
KIGZ	Ashbee.	b	KINS	Boston Bridge..
KIH	Corning.	b	KINT	Bay Head..
KIJ	Acme.	b	KINV	Caino..
KIJB	Lake Candelaria.	b	KINX	Davidson County..
KIJC	Balsam.	b	KINZ	Pawtucket..
KIJD	Barrenfork.	b	KIO	Brynhilda..
KIJE	Barryton.	b	KIP	General W. C. Gorgas..
KIJJ	Wicasta.	b	KIPB	Assinippi..
KIJK	Sabotawan.	b	KIPC	Pontia..
KIJJ	Klanop.	b	KIPD	Wallkill..
KIJJ	Edellyn.	b	KIPF	Woodmansie..
KIJM	Schroon.	b	KIPG	Doylestown..
KIJN	Knoxville.	b	KIPJ	West Chatsala..
KIJP	Montgomery.	b	KIPK	West Segovia..
KIQ	Hoxbar.	b	KIPN	Lake Gazette..
KIJR	Barstow.	b	KIPP	American Star..
KIJS	Butterfield.	b	KIPQ	Lake Fabius..
KIJT	Buttercup.	b	KIPR	S. B. Hunt..
KIJV	Bethlehem Bridge.	b	KIPS	Geo. H. Jones..
KIJX	Brasher.	b	KIPV	Luxpalile..
KIJZ	Dade County.	b	KIPX	Maiden Creek..
KIK	Westerner.	b	KIPZ	Lake Farmingdale..
KIKB	Hillsborough County.	b	KIQ	Astral..
KIKC	Jackson.	b	KIQB	Belfort..
KIKD	Johnson City.	b	KIQC	Westmoreland..
KIKF	Jefferson County.	b	KIqd	Cansumset..
KIKG	St. Johns County.	b	KIQF	Cotati..
KIKJ	St. Augustine.	b	KIQK	Cold Spring..
KIKK	Shortsville.	b	KIQN	Lake Farragut..
KIKL	Worcester.	b	KIQP	Bolivar..
KIKM	West Kasson.	b	KIQR	Hugoton..
KIKQ	Ambridge.	b	KIQS	Bathgate..
KIKR	Claifton.	b	KIQT	Bathalum..
KIKS	Argenta.	b	KIQV	Corson..
KIKT	Evansville.	b	KIQX	Fluor Spar..
KIKX	West Islip.	b	KIQZ	Liberty Glo..
KIL	Jolo, P. I.	c	KIR	Eagle..
KILF	Elmsport.	b	KIRB	Lake Farber..
KILJ	Edimore.	b	KIRF	West Cayote..
KILK	Colorado Springs.	b	KIRG	New Britain..
KILL	City of Spokane.	b	KIRJ	Lake Frumet..
KILM	Waxahachie.	b	KIRK	Sharon..
KILN	Neshaminy.	b	KIRM	Arenas..
KILP	Meriden.	b	KIRN	Haddon..
KILR	Scantic.	b	KIRP	Waco..
KILT	West Calumb.	b	KIRQ	Delavan..
KILV	Ipswich.	b	KIRR	Cambridge..
KILX	Monasses.	b	KIRS	John Ena..
KILZ	West Cawthon.	b	KIRT	Derbyline..
KIM	Latouche, Alaska.	b	KIRV	Lake Fairfax..
KIMB	Tuckanuck.	b	KIRX	Casper..
KIMC	Tripp..	b	KIRZ	Glen Ridge..
KIMD	Deerlodge.	b	KIS	Marshall, Alaska..
KIMG	West Chetac.	b	KISC	Orcus..
KIMJ	Cushnoc.	b	KISD	Seattle Spirit..
KIMM	Winyah.	b	KISF	Wheatland Montana..
KIMN	Salvation Lass.	b	KISG	Elkridge..
KIMQ	East Side.	b	KISJ	Stanley..

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
KISK	West Keene.....	b	KIZR	Winona County.....
KISM	Baldbutte.....	b	KIZS	Vincent.....
KISN	Lake Fagundus.....	b	KIZT	Algonquin.....
KISP	Lake Fairlie.....	b	KIZV	Imlay.....
KISQ	Afel.....	b	KIZX	Labette.....
KISR	City of Fairbury.....	b	KIZZ	Rockaway Park.....
KISS	Liberty Land.....	b	KJA	Jualin, Alaska.....
KIST	Wm. G. Howard.....	b	KJAA	Chebaulip.....
KISV	Asquam.....	b	KJAE	West Indian.....
KISX	Lake Farrar.....	b	KJAI	West Durfee.....
KIT	Tiger.....	b	KJAO	West Lianga.....
KITB	Lake Falama.....	b	KJAU	West Grove.....
KITC	Babboosic.....	b	KJB	Everett, Wash.....
KITF	Firthcliffe.....	b	KJD	North Land.....
KITG	Kittegau.....	b	KJE	Norlina.....
KITJ	Innoko.....	b	KJEA	Western Ocean.....
KITK	Bellbuckle.....	b	KJEI	John M. Connely.....
KITL	Wytheville.....	b	KJEU	Santa Luisa.....
KITM	Betsy Bell.....	b	KJF	Carolinian.....
KITN	Nameaug.....	b	KJG	Eurana.....
KITP	Lake Gadsden.....	b	KJH	West Wind.....
KITQ	Lake Singara.....	b	KJI	Satsuma.....
KITR	Keshena.....	b	KJIE	Walter A. Luckenbach.....
KITS	Kiokee.....	b	KJII	Muscatine.....
KITT	Kiron.....	b	KJIO	Paul H. Harwood.....
KITV	Kitchi.....	b	KJIU	Carib.....
KITX	Willfaro.....	b	KJK	King Cove, Alaska.....
KITZ	West Inskip.....	b	KJL	False Pass, Alaska.....
KIU	Western Hero.....	b	KJM	West Cherow.....
KIV	Puerto Princeesa Paragua, P. I.....	c	KJN	J. A. Bostwick.....
KIVB	Mimnequa.....	b	KJO	Munisia.....
KIVC	Kewanee.....	b	KJOE	W. M. Irish.....
KIVD	Marina.....	b	KJOO	West Bridge.....
KIVF	Lightburne.....	b	KJOU	Seacommet.....
KIVG	Mercer Victory.....	b	KJP	Joseph R. Parrott.....
KIVJ	Hatchie.....	b	KJT	Waban.....
KIVK	Traveller.....	b	KJU	Bacoi.....
KIVM	Lake Fear.....	b	KJUA	Ice King.....
KIVN	Explorer.....	b	KJUE	Radnor.....
KIVP	Westoil.....	b	KJUI	Point Lobos.....
KIVQ	Huguennet.....	b	KJUO	West Alsek.....
KIVR	Devolente.....	n	KJUU	West Apam.....
KIVS	Delfina.....	b	KJV	West Haven.....
KIVT	Defisile.....	b	KJW	O. T. Waring.....
KIVV	West Cactus.....	b	KJX	Westland.....
KIVX	Guardsman.....	b	KJY	West Point.....
KIVZ	Custodian.....	b	KJZ	Chinchia.....
KIW	Zainboanga, P. I.....	e	KKAA	Yakutat, Alaska.....
KIX	Cuyo, P. I.....	e	KKAE	Sulzer, Alaska.....
KIXB	West Cheswald.....	b	KKAI	Nushagak, Alaska.....
KIXC	West Karitans.....	b	KKAO	Hawk Inlet, Alaska.....
KIXD	Lackawanna Valley.....	b	KKAU	Kussilof, Alaska.....
KIXF	Ablanset.....	b	KKB	Avondale.....
KIXG	Asabeth.....	b	KKC	El Sol.....
KIXJ	Fourth Alabama.....	b	KKD	Chalmette.....
KIXK	Lafecom.....	b	KKE	Comus.....
KIXM	Lockport.....	b	KKEE	Fopila.....
KIXN	Lordship Manor.....	b	KKEI	Nanking.....
KIXP	Norantum.....	b	KKEO	City of Sydney.....
KIXQ	Putnam.....	b	KKEU	Wankesha.....
KIXR	Tulsa.....	b	KKF	Mariners Harbor.....
KIXS	Abraham Lincoln.....	b	KKG	Torres.....
KIXT	Lake Flagon.....	b	KKH	El Almirante.....
KIXV	Montauk.....	b	KKI	El Capitan.....
KIXX	Wekika.....	b	KKJ	Kilkenny.....
KIXZ	West Selene.....	b	KKL	West Celeron.....
KIY	San Jose, P. I.....	e	KKM	El Alba.....
KIZ	Malabang, P. I.....	c	KKN	Momus.....
KIZB	Delco.....	b	KKO	El Norte.....
KIZC	Bakersfield.....	b	KKOA	Excelsior.....
KIZD	De Bardleben.....	b	KKOE	Biran.....
KIZF	Buffalo Bridge.....	b	KKP	Lake Annette.....
KIZG	Parksville.....	b	KKQ	Mahanna.....
KIZJ	Dauperata.....	b	KKR	El Sud.....
KIZK	Katherine.....	b	KKS	Creole.....
KIZL	Avalon.....	b	KKT	El Siglo.....
KIZM	Lake Flagstaff.....	b	KKU	El Cid.....
KIZN	Lake Flambeau.....	b	KKUI	El Mundo.....
KIZP	Shiekshimy.....	b	KKV	William G. Mather.....
KIZQ	Bannack.....	b		El Oriente.....

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.	
KKW	El Valle.....	b	KMUU	Lake Flume.....	b
KKX	El Occidente.....	b	KMV	Advance.....	b
KKY	El Dia.....	b	KMW	Akutan, Alaska.....	c
KKZ	El Rio.....	b	KMX	Colon.....	b
KLA	Pastores.....	b	KMY	Holden Evans.....	b
KLAA	Luella.....	b	KMZ	General G. W. Goethals.....	b
KLAE	Overbrook.....	b	KNA	Dorothy Bradford.....	b
KLAO	Lake Crystal.....	b	KNAE	Western Sea.....	b
KLAU	Lake Winona.....	b	KNAI	West Cohas.....	b
KLC	Calamares.....	b	KNEA	Western City.....	b
KLD	Fort Worth.....	b	KNAO	Western Chief.....	b
KLE	Zacapa.....	b	KNAU	Westford.....	b
KLEA	Lake Maurepas.....	b	KNB	Lexington.....	b
KLEE	Lake St. Regis.....	b	KNC	Concord.....	b
KLEI	Lake Allen.....	b	KND	Plymouth.....	b
KLEO	Lake Clear.....	b	KNE	Clare.....	b
KLEU	Lake Pewaukee.....	b	KNEA	Western Spirit.....	b
KLF	Metapan.....	b	KNEE	Santa Tecla.....	b
KLG	Santa Maria.....	b	KNEU	Wishkah.....	b
KLH	Saramacca.....	b	KNF	Wm. G. Warden.....	b
KLI	Suriname.....	b	KNG	Bradford.....	b
KLIA	Lake Otisco.....	b	KNH	Brockton.....	b
KLIE	Lake Como.....	b	KNK	Marica.....	b
KLII	Lake Sunapee.....	b	KNL	Nelson.....	b
KLJ	Beatrice.....	b	KNM	Millinocket.....	b
KLK	Craster Hall.....	b	KNO	Trinidadian.....	b
KLL	Thompson Falls, Mont.....	c	KNP	Chignik, Alaska.....	e
KLM	Bantu.....	b	KNQ	F. Q. Barstow.....	b
KLO	Santa Rosalia.....	b	KNS	Sucrosa.....	b
KLOE	Lake Hemlock.....	b	KNU	Currier.....	b
KLOI	Lakehurst.....	b	KNW	Robert M. Thompson.....	b
KLOO	Lake Lida.....	b	KNY	Fred W. Weller.....	b
KLOU	Lake Shawano.....	b	KNZ	A. C. Bedford.....	b
KLQ	Rainbow, Mont. (near Great Falls).....	c	KOBC	Ruby.....	b
KLR	Crofton Hall.....	b	KOBD	Orani.....	b
KLT	Howick Hall.....	b	KOBF	Vanada.....	b
KLU	Charlton Hall.....	b	KOBG	Editor.....	b
KLUA	Lake Capens.....	b	KOBJ	Deroche.....	b
KLUE	Lake Sebago.....	b	KOBK	West Katan.....	b
KLUI	Lake Cayuga.....	b	KOBL	Lake Ellijay.....	b
KLUO	Lake Ennis.....	b	KOBM	Willpolo.....	b
KLUU	Agarista.....	b	KOBN	Alameda.....	b
KLV	San Mateo.....	b	KOBP	Bird City.....	b
KLW	Port Althorp, Alaska.....	c	KOBQ	Gonzalis.....	b
KLY	Deepwater.....	b	KOBR	Barwick.....	b
KMA	Allianca.....	b	KOBT	Lake Inglenook.....	b
KMAA	Admiral Nicholson.....	b	KOBV	Baldhill.....	b
KMAI	Catherine D.....	b	KOBX	Moshico.....	b
KMB	Amoleo.....	b	KOBZ	Lake Elon.....	b
KMD	Cristobal.....	b	KOC	Jamestown.....	b
KME	Pennant.....	b	KOCB	Lake Savus.....	b
KMEI	Orizaba.....	b	KOCC	Epitacio Pessoa.....	b
KMEO	Cletus Schneider.....	b	KOCD	Texarkana.....	b
KMEU	Pasadena.....	b	KOCF	Nokatay.....	b
KMF	Egegik, Alaska.....	c	KOCG	Lake Fiscus.....	b
KMG	Eukuk, Alaska.....	c	KOCH	Aquilo.....	b
KMH	Panama.....	b	KOCK	West Pocasset.....	b
KMI	Tivives.....	b	KOCL	Elkhorn.....	b
KMIE	Cape Henry.....	b	KOCM	Marsodak.....	b
KMII	Masuda.....	b	KOCN	Federal Bridge.....	b
KMIO	Willimantic.....	b	KOCP	Continental Bridge.....	b
KMIU	W. M. Burton.....	b	KOCP	Clark Mills.....	b
KMK	Naknek, Alaska.....	c	KOCP	John W. Wells.....	b
KML	Lockanok, Alaska.....	c	KOCS	Lake Girardeau.....	b
KMM	Panuco.....	b	KOCT	Hercules.....	b
KMN	Butte, Mont.....	c	KOCV	West Saginaw.....	b
KMOE	Acomac.....	b	KOCX	West Jaffrey.....	b
KMOI	Eldorado.....	b	KO CZ	Lake Ellsworth.....	b
KMOO	Oakland.....	b	KOD	Jefferson.....	b
KMOU	Edward Pierce.....	b	KODB	Nobles.....	b
KMP	Metha Nelson (moored vessel).....	c	KODC	Sunbeam.....	b
KMQ	Sherman.....	b	KODD	Lake Fisher.....	b
KMR	Wellington.....	b	KODF	West Caddoa.....	b
KMS	Ancon.....	b	KODG	Siletz.....	b
KMT	Libbyville, Alaska.....	c	KODK	Hathaway.....	b
KMU	Ugashik, Alaska.....	c	KODL	Menominee.....	b
KMUA	Lake Lasang.....	b	KODN	Endicott.....	b
KMUE	Lake Larga.....	b	KODP	Babinda.....	b
KMUI	George W. Barnes.....	b	KODQ	Hulaco.....	b

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.		Call signal.	Station.
KODR	Salem County	b	KOLL	Clavarack.....
KODS	Bellemina.....	b	KOLN	Susquehanna.....
KODT	Dewey.....	b	KOLP	Cathlamet.....
KODV	Hog Island.....	b	KOLR	Lake Elmdale.....
KODX	Dillwyn.....	b	KOLS	Chicomico.....
KODZ	Ophis.....	b	KOLT	Effingham.....
KOF	Castle Town.....	b	KOLV	Palisades.....
KOFC	Bellhaven.....	b	KOLX	Cranford.....
KOFD	Anaconda.....	b	KOLZ	Lake Getaway.....
KOFF	Auditor.....	b	KOM	Trontolite.....
KOFG	Dean Emery.....	b	KOMB	Lake Gert.....
KOFJ	H. F. Morse.....	b	KQMC	Lake Flattery.....
KOKF	Elkton.....	b	KOMD	Deuel.....
KOFL	Chepadoa.....	b	KOMF	Bartholomew.....
KOFM	Lake Ellithorpe.....	b	KOMG	Whitemarsh.....
KOFN	Cockaponset.....	b	KOMK	Lycoming.....
KOFP	Lake Ellsbury.....	b	KOML	J. R. Gordon.....
KOFP	Lake Elmhurst.....	b	KOMM	Scottsburg.....
KOFR	Basford.....	b	KOMN	San Antonio.....
KOFS	Bascobel.....	b	KOMP	Coahoma County.....
KOFT	Bensalem.....	b	KOMQ	Afoundsia.....
KOFT	Lake Elpueblo.....	b	KOMR	Ashland County.....
KOFT	Cook.....	b	KOMS	Henry County.....
KOFT	Coquitt.....	b	KOMT	Effna.....
KOGB	Independent Bridge.....	b	KOMV	Montague.....
KOGC	Lackawanna Bridge.....	b	KOMX	Peekskill.....
KOGD	Moosehausic.....	b	KOMZ	Coskata.....
KOGF	Kootenai.....	b	KONB	Cushnet.....
KOGJ	Nockum.....	b	KONC	Cuttymunk.....
KOGK	Escambia.....	b	KOND	Indiana Bridge.....
KOGL	West Ira.....	b	KONG	Margus.....
KOGM	Storm King.....	b	KONJ	Massillon Bridge.....
KOGN	Brave Coeur.....	b	KONK	Northwestern Bridge.....
KOGP	Hadnot.....	b	KONL	Fargo.....
KOGQ	Irvington.....	b	KONM	La Crosse.....
KOGR	Lake Fairport.....	b	KONN	Sioux Falls.....
KOGS	Lake Flatonia.....	b	KONP	Lansdowne.....
KOGT	Lake Flanders.....	b	KONQ	Andrew Jackson.....
KOGV	Lake Gebhart.....	b	KONR	Antietam.....
KOGX	Merry Mount.....	b	KONS	Lake Strymon.....
KOGZ	Commissioner.....	b	KONT	Lake Elsmere.....
KOH	Glenpool.....	b	KONV	Lake Filbert.....
KOI	Polarine.....	b	KONX	Detroit-Wayne.....
KOJB	York Harbor.....	b	KONZ	City of Alton.....
KOJD	Sinsinawa.....	b	KOPB	Lake Fernalda.....
KOJF	Montana.....	b	KOPC	Bavington.....
KOJG	Jacksonville.....	b	KOPD	Dannedaikie.....
KOJJ	Lake Galata.....	b	KOPF	Massick.....
KOJK	Hanover.....	b	KOPG	Minnewawa.....
KOJL	Cripple Creek.....	b	KOPJ	Terre Haute.....
KOJM	Lake Onawa.....	b	KOPK	Circinus.....
KOJP	Lake Favonia.....	b	KOPL	Corvus.....
KOJQ	Lake Fitch.....	b	KOPM	Nika.....
KOJR	Chickasaw.....	b	KOPN	Wasaga.....
KOJS	Magmeric.....	b	KOPP	Eastern Breeze.....
KOJT	Lake Galien.....	b	KOPQ	Bellflower.....
KOJV	Portsmouth.....	b	KOPR	Kearny.....
KOJX	Lake Galewood.....	b	KOPS	Coolcha.....
KOJZ	Lake Gaither.....	b	KOPT	Eglantine.....
KOKC	Northern Star.....	b	KOPV	Lake Fillion.....
KOKD	Bellerose.....	b	KOPZ	Centaurus.....
KOKF	Bellepline.....	b	KOQB	Clauseus.....
KOKG	Moositauka.....	b	KOQC	Hagan.....
KOKK	Iceland.....	b	KOQD	Hagood.....
KOKM	Daniel Webster.....	b	KOQE	Tri Mountain.....
KOKN	Potomac.....	b	KOQQ	Lake Elmont.....
KOKP	Crisfield.....	b	KOQJ	Casey.....
KOKQ	Paria.....	b	KOQK	Coldbrook.....
KOKR	Inspector.....	b	KOQL	George C. Greer.....
KOKS	Lake Gera.....	b	KOQM	Standtug No. 1.....
KOKT	Bethnor.....	b	KOQP	McCreary County.....
KOKV	Kaleen.....	b	KOQQ	West Ivis.....
KOKX	Kolda.....	b	KOQS	Egremont.....
KOKZ	Lake Fithian.....	b	KOQT	Quinnipiac.....
KOL	Mount Hope.....	b	KOQV	Caldas.....
KOLB	Aryan.....	b	KOQX	Nipmuc.....
KOLC	Orient.....	b	KOQZ	Kayseeka.....
KOLD	Antonia.....	b	KORB	West Mingo.....
KOLJ	Lake Faxon.....	b	KORC	Macomet.....
KOLK	Lake Felden.....	b		

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.	Call signal.	Station.		
KORD	Sundance.....	.b	KOJV	Roanoke.....	.b
KORF	Noccalula.....	.b	KOXX	Steelmaker.....	.b
KORG	Cethana.....	.b	KOZX	Steel Age.....	.b
KORJ	Challamba.....	.b	KOY	Herbert L. Pratt.....	.b
KORK	Dryden.....	.b	KOZ	Miami.....	.b
KORL	Haleakala.....	.b	KOZB	City of Omaha.....	.b
KORM	Jadden.....	.b	KOZC	City of Los Angeles.....	.b
KORP	Monomac.....	.b	KOZD	Rockport.....	.b
KORQ	Bogota.....	.b	KOZF	Tenafly.....	.b
KORS	Manham.....	.b	KOZG	Moravia Bridge.....	.b
KORT	Hancock County.....	.b	KOZJ	West Niger.....	.b
KORV	Wildwood.....	.b	KOZK	West Hika.....	.b
KORX	Cliffwood.....	.b	KOZL	Quaker City.....	.b
KOS	Lake Saba.....	.b	KOZM	Miskianza.....	.b
KOSC	Tenakee, Alaska.....	c	KOZN	Minooka.....	b
KOSD	Nile.....	.b	KOZP	Vigilant.....	b
KOSF	Monroe.....	.b	KOZQ	City of Berkeley.....	b
KOSJ	Danville.....	.b	KOZR	Culburra.....	b
KOSL	West Kader.....	.b	KOZS	West Ivan.....	b
KOSM	City of St. Joseph.....	.b	KOZT	Lake Elmwood.....	b
KOSN	John Roach.....	.b	KOZV	William H. Webb.....	b
KOSQ	Lake Treba.....	.b	KOZX	Norumbega.....	b
KOSR	Lake Elsa.....	.b	KOZZ	Collamer.....	b
KOSS	John Adams.....	.b	KPAA	Point Judith.....	b
KOST	Chester Valley.....	.b	KPBP	Amuguis, P. I.....	c
KOSV	Kenowis.....	.b	KPC	Batangas, P. I.....	c
KOSX	Hartford.....	.b	KPD	W. H. Tilford.....	b
KOT	Kanak.....	.b	KPE	Seattle, Wash.....	c
KOTB	Lake Falun.....	.b	KPF	General O. H. Ernst.....	b
KOTD	Cross Keys.....	.b	KPG	General H. F. Hodges.....	b
KOTF	Mitchell.....	.b	KPH	Bolinus, Calif.....	c
KOTG	West Jena.....	.b	KPI	Cebu, P. I.....	c
KOTJ	Lake Slavi.....	.b	KPJ	Culion, P. I.....	c
KOTK	West Neris.....	.b	KPK	Standtow No. 2.....	b
KOTL	Vinita.....	.b	KPL	Moonlite.....	b
KOTM	Robin Hood.....	.b	KPM	Iloilo, P. I.....	c
KOTN	West Hesseltine.....	.b	KPN	Isabela de Basilan, P. I.....	c
KOTP	Wisla.....	.b	KPP	Dawnlite.....	b
KOTQ	Red Mountain.....	.b	KPQ	Sunlite.....	b
KOTR	West Montop.....	.b	KPR	Daylite.....	b
KOTT	Lake Fenn.....	.b	KPS	Benjamin Brewster.....	b
KOTV	Franklin County.....	.b	KPT	Achilles.....	b
KOTX	Delanson.....	.b	KPU	Ulysses.....	b
KOTZ	Benowa.....	.b	KPV	Malangas, P. I.....	c
KOU	Tidewater.....	.b	KPW	Malita, P. I.....	c
KOV	Kwiguk Slough, Alaska.....	c	KPX	Port Lebak, P. I.....	c
KOVB	Gulftrade.....	.b	KPY	San Francisco, P. I.....	c
KOVC	Lake Tippah.....	.b	KPZ	Mati, P. I.....	c
KOVD	Maquan.....	.b	KQA	Harry Farnum.....	b
KOVF	Amcross.....	.b	KQB	W. L. Connelly.....	b
KOVG	Lake Elmsford.....	.b	KQC	Cretan.....	b
KOVJ	Dilworth.....	.b	KQD	Dorchester.....	b
KOVL	Lake Fandango.....	.b	KQE	Essex.....	b
KOVM	Robin Adair.....	.b	KQE0	Lake Charlotte.....	b
KOVN	E. A. Morse.....	.b	KQF	Gene Crawley.....	b
KOVP	Georgian.....	.b	KQG	Gloucester.....	b
KOVQ	Elfay.....	.b	KQH	Howard.....	b
KOVR	Abercos.....	.b	KQIE	Farnam.....	b
KOVS	Lake Fandon.....	.b	KQII	Santa Olivia.....	b
KOVT	Coeur D'Alene.....	.b	KQIO	Deranof.....	b
KOVV	Coleda.....	.b	KQIU	West Ekron.....	b
KOVX	Tampa.....	.b	KQJ	Juniata.....	b
KOVZ	I. J. Merritt.....	.b	KQK	Kershaw.....	b
KOW	Mascotte.....	.b	KQM	Merrimack.....	b
KOX	Henry M. Flagler.....	.b	KQN	Nantucket.....	b
KOXB	Haslehurst.....	.b	KQO	Ontario.....	b
KOXC	Suwied.....	.b	KQOA	Anacortes.....	b
KOXD	Tashmoo.....	.b	KQOE	Delight.....	b
KOXF	Tekoa.....	.b	KQOI	Western Light.....	b
KOXA	Toledo Bridge.....	.b	KQOO	Western Maid.....	b
KOXA	Tona.....	.b	KQQ	Quantico.....	b
KOXX	Tonesit.....	.b	KQR	Grecian.....	b
KOXL	Tuladi.....	.b	KQS	Washington Bay, Alaska.....	c
KOXM	Vincennes Bridge.....	.b	KQU	Ruth E. Merrill.....	b
KOXX	Pirate Cove, Alaska.....	c	KQUA	Allies.....	b
KOXP	Von Steuben.....	.b	KQUE	Lancaster.....	b
KOXR	Tampico.....	.b	KQUO	Lake Chelan.....	b
KOXS	West Jessup.....	.b	KQUU	West Gambo.....	b
KOXT	Robin Gray.....	b	KQX	Persian.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.		
KQZ	City of Rome.....	b	KSZ	Cora F. Cressy.....	b
KRA	Freeport Sulphur No. 1.....	b	KTAA	Alloway.....	b
KRAA	West Coast.....	b	KTAI	Lake Elisko.....	b
KRAE	Mauban.....	b	KTAO	Lake Frances.....	b
KRB	Governor Cobb.....	b	KTAU	Eastern Star.....	b
KRC	Camden.....	b	KTB	Gulfstream.....	b
KRD	Belfast.....	b	KTC	Shenango.....	b
KREA	Cape Romain.....	b	KTD	Ligonier.....	b
KREE	Gulfport.....	b	KTE	Wmifred.....	b
KREI	Lake Washburn.....	b	KTEA	Eastern Sea.....	b
KREO	Lake Mary.....	b	KTEE	Western Cross.....	b
KRF	Ransom B. Fuller.....	b	KTEI	Winnebago.....	b
KRG	Freeport Sulphur No. 2.....	b	KTF	J. M. Guffey.....	b
KRH	City of Bangor.....	b	KTG	Gulffoil.....	b
KRI	City of Rockland.....	b	KTH	Robert P. Clark.....	b
KRIA	Lake Daraga.....	b	KTI	Brilliant.....	b
KRII	Lake Elsinore.....	b	KTIE	Eastern Sun.....	b
KRIU	Liberator.....	b	KTIO	Fresno.....	b
KRJ	Relief.....	b	KTIU	Lake Blanchester.....	b
KRK	Oswego.....	b	KTJ	Comet.....	b
KRL	Kiowa.....	b	KTL	Rayo.....	b
KRM	Resolute.....	b	KTM	Eocene.....	b
KRN	Calvan Austin.....	b	KTN	Perfection.....	b
KRO	Brammell Point.....	b	KTO	John D. Rockefeller.....	b
KROE	Aniwa.....	b	KTOA	Lake Narka.....	b
KROI	Wampum.....	b	KTOE	Mary.....	b
KROO	Wassail.....	b	KTOI	Catherine.....	b
KROU	Garibaldi.....	b	KTOO	Lake Yemassee.....	b
KRQ	Manitowoc.....	b	KTOU	Lake Markham.....	b
KRR	C. A. Snider.....	b	KTP	James McGee.....	b
KRS	Paulsboro.....	b	KTR	City of Everett.....	b
KRT	San Francisco.....	b	KTS	Radiant.....	b
KRU	Fordonian.....	b	KTT	Vesta.....	b
KRUI	Santa Flavia.....	b	KTU	Paraguay.....	b
KRUO	Wakulla.....	b	KTUA	Sun.....	b
KRUU	Socony 88.....	b	KTUE	Lake Ledan.....	b
KRV	Governor Dingley.....	b	KTUI	Lake Bledsoe.....	b
KRW	Sierra.....	b	KTUO	Lake Pepin.....	b
KRX	Chichagof, Alaska.....	c	KTUU	Sagadahoc.....	b
KRZ	Sudbury.....	b	KTV	Lake Pachuta.....	b
KSA	Standard II.....	b	KTX	Dulcino.....	b
KSAE	Socony 89.....	b	KTY	Socony.....	b
KSAO	Rose Mahoney.....	b	KTZ	W. C. Teagle.....	b
KSB	Lake Conesus.....	b	KUA	Brindilla.....	b
KSBV	J. E. O'Neil.....	b	KUB	Gulfflight.....	b
	Shipping Board vessels (general call for all vessels).....	b	KUBB	Gulfmaid.....	b
KSEA	Abecon.....	b	KUBD	Cold Harbor.....	b
KSEE	Mineola.....	b	KUBF	Claremont.....	b
KSEI	Eastern Chief.....	b	KUBG	San Diego.....	b
KSEU	Jonancy.....	b	KUBJ	Betterton.....	b
KSF	Finland.....	b	KUBK	Liberty Minquas.....	b
KSG	Baton Rouge.....	b	KUBL	Bearport.....	b
KSH	Kroonland.....	b	KUBM	Pawlet.....	b
KSI	H. H. Rogers.....	b	KUBN	St. Anthony.....	b
KSIE	Glen White.....	b	KUBP	Robin Goodfellow.....	b
KSII	Lake Catherine.....	b	KUBR	City of Alma.....	b
KSIIU	Lake Benton.....	b	KUBS	Lake Elva.....	b
KSJ	Security.....	b	KUBT	Indiana Harbor.....	b
KSJ	Caddo.....	b	KUBV	Lake Feodora.....	b
KSM	Philadelphia.....	b	KUBX	Higo.....	b
KSJN	New York.....	b	KUC	Koggling (moored vessel).....	e
KSO	St. Paul.....	b	KUCB	Gulf of Mexico.....	b
KSOA	Polar Sea.....	b	KUCC	New England.....	b
KSOC	Standard Oil Co. vessels (general call for all vessels).....	b	KUCD	Plow City.....	b
KSOE	Lake Eckhart.....	b	KUCF	Riverside Bridge.....	b
KSOI	Lake Wimico.....	b	KUCG	Virginia Bridge.....	b
KSOO	Lake Duncan.....	b	KUCJ	Des Moines Bridge.....	b
KSOU	Bylayl.....	b	KUCK	Holyoke Bridge.....	b
KSP	Caloria.....	b	KUCM	Wauwatosa.....	b
KSQ	Charles Pratt.....	b	KUCN	Lake Ikatan.....	b
KSR	Bayway.....	b	KUCP	Eastern Guide.....	b
KST	Princeton.....	b	KUCQ	Chislu Island, Alaska.....	c
KSU	Somerset.....	b	KUCR	City of Alameda.....	b
KSUA	F. D. Asche.....	b	KUCS	Lake Giddings.....	b
KSV	Standard Arrow.....	b	KUCV	City of Sherman.....	b
KSW	Royal Arrow.....	b	KUCX	City of Flint.....	b
KSX	Sylvan Arrow.....	b	KUCZ	Coldwater.....	b
KSY	Broad Arrow.....	b	KUD	Bridgewater.....	b
		b	KUDC	Gulfland.....	b
		b		Tuscan.....	b

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.	Call signal.	Station.	
KUDD	Argon.....	b	KULG	Darien.....
KUDG	West Jester.....	b	KULJ	Eastern Pilot.....
KUDK	West Cadron.....	b	KULK	Eastern Trader.....
KUDL	Willard.....	b	KULL	Donald McKay.....
KUDM	Lake Elwin.....	b	KULM	Ario.....
KUDN	American Press.....	b	KULP	Arizpa.....
KUDP	Clontarf.....	b	KULS	Toepi.....
KUDQ	West Himrod.....	b	KULT	Outagamie.....
KUDR	Davenport.....	b	KULV	Commack.....
KUDS	Rushville.....	b	KULX	San Juan.....
KUDT	Pilot Point, Alaska.....	c	KULZ	Otho.....
KUDV	Becharof, Alaska.....	c	KUM	Lyndonia.....
KUDX	Eastern Moon.....	b	KUMB	Texas.....
KUDZ	Eastern Gale.....	b	KUMC	Lake Ganado.....
KUE	Gulfcoast.....	b	KUMF	Utacarbon.....
KUF	Mundetta.....	b	KUMG	Dunsyre.....
KUFB	Eastern Knight.....	b	KUMK	Homer.....
KUFC	Lake Floravista.....	b	KUML	Freeport Sulphur No. 5.....
KUFD	Lake Florian.....	b	KUMM	Oklahoma City.....
KUFF	Lake Floris.....	b	KUMN	West Calera.....
KUFG	Lake Flournoy.....	b	KUMR	Portola Plumas.....
KUFJ	West Niaga.....	b	KUMS	Colthrops.....
KUFK	Haiti.....	b	KUMT	Atlantic Sun.....
KUFN	Steel Voyage.....	b	KUMV	Solitaire.....
KUFP	Bethlehem Shipbuilding Corporation.....	b	KUMX	Lake Glaucus.....
KUFR	West Campgaw.....	b	KUMZ	Lake Flag.....
KUFZ	Ossa.....	b	KUN	Lake Hector.....
KUG	Munplace.....	b	KUNB	Neptune.....
KUGB	Eastern Mariner.....	b	KUNC	Lake Harminia.....
KUGC	Boobyalla.....	b	KUND	Lake Gunnin.....
KUGD	Clearwater.....	b	KUNF	Eastern Glade.....
KUGG	Clemence C. Morse.....	b	KUNG	Eastern Ocean.....
KUGK	Sioux City.....	b	KUNJ	Union Liberty.....
KUGL	Lake Galisteo.....	b	KUNK	Evergreen City.....
KUGM	Ripon.....	b	KUNL	Neshobe.....
KUGN	Lake Haresti.....	b	KUNM	Oronoke.....
KUGP	Seminole.....	b	KUNN	Wheeling Mold.....
KUGQ	Star of Holland.....	b	KUNP	Jennie R. Morse.....
KUGR	Summerleaf.....	b	KUNQ	Freeport Sulphur No. 6.....
KUGS	Blue Triangle.....	b	KUNR	Eastern Crown.....
KUGT	Jonar.....	b	KUNS	Eastern Victor.....
KUGV	Willhilo.....	b	KUNT	City of Vernon.....
KUGX	Mason City.....	b	KUNV	George B. Mackenzie.....
KUGZ	Lillian.....	b	KUNZ	Winona.....
KUH	Munwood.....	b	KUP	Chickasaw City.....
KUI	Munamar.....	b	KUPB	Pennsylvania.....
KUJ	Mundale.....	b	KUPD	Italia.....
KUJB	The Angeles.....	b	KUPF	Eastern Planet.....
KUJC	Bayport.....	b	KUPG	Hahatonka.....
KUJF	Kerhonkson.....	b	KUPJ	Greenland.....
KUJK	Havilah.....	b	KUPK	West Cahokia.....
KUJP	Hutchinson.....	b	KUPL	Darden.....
KUJQ	Ethan Allen.....	b	KUPM	Conness Peak.....
KUJR	City of Joliet.....	b	KUPN	Patrick Henry.....
KUJS	Winston-Salem.....	b	KUPP	Capillo.....
KUJT	Eastern Belle.....	b	KUPS	Cubore.....
KUJV	Eastern Crag.....	b	KUPT	Naugus.....
KUJX	Liberty Bell.....	b	KUPV	Waterbury.....
KUJZ	Quabbin.....	b	KUPX	Kehuku.....
KUK	Munsono.....	b	KUQJ	Hawarden.....
KUKC	Schnuykill Bridge.....	b	KUQK	Maine.....
KUKD	East Chicago.....	b	KUQB	Fueloil.....
KUKF	Fort Armstrong.....	b	KUQC	Panoil.....
KUKG	Anthracite Bridge.....	b	KUQD	Crudoil.....
KUKJ	West Jappa.....	b	KUQF	Martha Washington.....
KUKK	Noddle Island.....	b	KUQQ	Padnsay.....
KUKL	Pittsburgh Bridge.....	b	KUQJ	West Nivaria.....
KUKM	Tancarville.....	b	KUQK	West Keats.....
KUKN	Louise.....	b	KUQL	Martinique.....
KUKP	Mohinkis.....	b	KUQM	Las Vegas.....
KUKR	Latham.....	b	KUQN	J. F. Penrose.....
KUKS	Eastern Merchant.....	b	KUQP	Unicoi.....
KUKT	Comejos.....	b	KUQQ	Conehatta.....
KUKV	West Bixton.....	b	KUQR	Everett.....
KUKX	Callingsworth.....	b	KUQS	Margaret.....
KUL	Louisiana.....	b	KUQT	Eastern Dawn.....
KULB	Pinellas.....	b	KUQX	Juvigny.....
KULC	Chickamauga.....	b	KUQZ	Monfaucon.....
KULD	Lake Geyser.....	b	KUR	Georgia.....
KULF	Fishkill.....	b	KURB	Hinckley.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.	
KURC	Cathwood.....	b	KUZ	Coastwise.....	b
KURD	Arcturus.....	b	KUZB	Cristina.....	b
KURF	Chappaqua.....	b	KUZC	Hahira.....	b
KURG	Artigas.....	b	KUZD	Jim Sid.....	b
KURJ	J. L. Reiss.....	b	KUZF	Suholeo.....	b
KURL	John R. Gibbons.....	b	KUZG	Sutranco.....	b
KURM	Eastern Admiral.....	b	KUZJ	Suelco.....	b
KURN	Manatee.....	b	KUZK	Suportco.....	b
KURP	Salaam.....	b	KUZL	Anahuac.....	b
KURR	Henry Steers.....	b	KUZM	Quillwark.....	b
KURS	Pilgrim.....	b	KUZN	Pansa.....	b
KURT	Brookline.....	b	KUZP	Hayden.....	b
KURV	Ohonkara.....	b	KUZQ	Salina.....	b
KURX	Eastern Coast.....	b	KUZR	Capulin.....	b
KURZ	Suboato.....	b	KUZS	Ensley City.....	b
KUSB	Suedco.....	b	KUZT	Eastern Sailor.....	b
KUSC	Sunelsoco.....	b	KUZV	Dungannon.....	b
KUSD	City of Honolulu.....	b	KUZX	Carib.....	b
KUSF	Capital of Nebraska.....	b	KUZZ	Cayo Mambi.....	b
KUSG	West Nomentum.....	b	KVA	Apache.....	b
KUSJ	Occidental.....	b	KVAA	Lake Osweya.....	b
KUSK	City of Reno.....	b	KVAE	Lake Benbow.....	b
KUSL	Pioneer.....	b	KVAI	Socony 82.....	b
KUSM	John F. Hyland.....	b	KVAO	Socony 83.....	b
KUSN	Aquarius.....	b	KVBF	Apapaho.....	b
KUSP	Crown City.....	b	KVCF	Comanche.....	b
KUSQ	Eastern Cloud.....	b	KVCD	Munro.....	b
KUSR	Nemaha.....	b	KVE	Munildies.....	b
KUST	West Camak.....	b	KVEI	West Galoc.....	b
KUSX	Baccarat.....	b	KVFI	Iroquois.....	b
KUSZ	Adria.....	b	KVG	Chestnut Hill.....	b
KUT	Pan-American.....	b	KVH	Huron.....	b
KUTB	Haxtum.....	b	KVI	Unga, Alaska.....	c
KUTC	West Mahwah.....	b	KVII	Montclair.....	b
KUTD	Anna E. Morse.....	b	KVIO	Lake Pearl.....	b
KUTF	Eastern Maid.....	b	KVIU	Allentown.....	b
KUTG	Delrosa.....	b	KVJ	Walter D. Munson.....	b
KUTJ	Fallas.....	b	KVK	Cherokee.....	b
KUTK	City of Lordsburg.....	b	KVL	Lenape.....	b
KUTM	John P. Reiss.....	b	KVM	Mohawk.....	b
KUTP	Canco.....	b	KVN	Tanamo.....	b
KUTQ	Iroquois.....	b	KVO	Sagua.....	b
KUTR	Springfield.....	b	KVOE	Lake Garza.....	b
KUTS	Vacuum.....	b	KVOI	Lake Gaspar.....	b
KUTT	Birmingham City.....	b	KVOO	Lake Yelverton.....	b
KUTV	Lake Furnas.....	b	KVOU	Lake Gakona.....	b
KUTX	Richconal.....	b	KVP	Charles Braley.....	b
KUTZ	Rochester.....	b	KVR	Elinor.....	b
KUU	Brabant.....	b	KVS	Gulf Queen.....	b
KUV	Virginia.....	b	KVT	Los Angeles, Calif.....	c
KUVB	Eastern Glen.....	b	KVU	San Diego, Calif.....	c
KUVC	City of Weatherford.....	b	KVUA	Lake Ormoe.....	b
KUVD	Argus.....	b	KVUE	Lake Akkra.....	b
KUVF	Sebonac.....	b	KVUO	Lake Gedney.....	b
KUVG	Eastern Tempest.....	b	KVUU	Lake Hewes.....	b
KUVJ	Agron.....	b	KVV	Koggiung, Alaska.....	c
KUVK	Steel Mariner.....	b	KVW	Seattle, Wash.....	c
KUVL	Steel Trader.....	b	KVX	Allagnash.....	b
KUVP	Hastnai.....	b	KVY	William Isom.....	b
KUVQ	Johnswood, Mich.....	c	KVZ	Relay.....	b
KUVR	Jordan, Mont.....	c	KWA	Mt. Vernon Bridge.....	b
KUVS	New York, N. Y.....	c	KWB	Fort Pitt Bridge.....	b
KUVT	Jolee.....	b	KWC	Morro Castle.....	b
KUVV	Cardonia.....	b	KWD	Antilla.....	b
KUVX	Half Moon.....	b	KWE	Santiago.....	b
KUVZ	West Norranus.....	b	KWF	Cauto.....	b
KUW	New York.....	b	KWI	Camaguey.....	b
KUX	Munalbro.....	b	KWJ	Yucca.....	b
KUXB	West Holbrook.....	b	KWK	W. B. Keene.....	b
KUXC	San Pasqual.....	b	KWL	Yadkin.....	b
KUXD	Cuyamaca.....	b	KWM	Panuco.....	b
KUXF	Loretta.....	b	KWN	Guantanamo.....	b
KUXM	Cheboygan, Mich.....	c	KWO	Port Beauclaire, Alaska.....	c
KUXN	Miles City, Mont.....	c	KWP	Sunoil.....	b
KUXP	Dallas, Tex.....	c	KWQ	Saltchuck, Alaska.....	c
KUXQ	Wichita Falls, Tex.....	c	KWR	Port Moller, Alaska.....	c
KUXR	John Jay.....	b	KWS	Lost Harbor, Alaska.....	c
KUXT	Long Beach, Calif.....	c	KWT	Palo Alto, Calif.....	c
KUXV	Pedrocitas, Calif.....	c	KWU	Katrina Luckenbach.....	b
KUXZ	Homedaga.....	b			

**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.**

Call signal.	Station.		Call signal.	Station.
KWV	Sacramento.....	.b	KZEA	Keketticut.....
KWW	Radiowille, Alaska.....	.c	KZEE	Lake Berdan.....
KWX	Mexico.....	.b	KZEI	Lake Dymer.....
KWY	Monterey.....	.b	KZEO	Lake Dancey.....
KWZ	Esperanza.....	.b	KZEU	Lake Agomak.....
KXA	Boston.....	.b	KZF	Edith.....
KXAA	Lake Alvada.....	.b	KZG	Carolyn.....
KXAE	Lake Delancey.....	.b	KZH	Helen.....
KXAI	Lake Galera.....	.b	KZIA	Lake Aurice.....
KXAO	Lake Otsquago.....	.b	KZIE	Lake Winooski.....
KXAU	Lake Harris.....	.b	KZII	Lake Belohna.....
KXB	City of Lowell.....	.b	KZIO	Lake Lilecusun.....
KXC	Commonwealth.....	.b	KZIU	Sagaporack.....
KXE	Mohawk.....	.b	KZJ	Jean.....
KXEA	Lake Pleasant.....	.b	KZK	Hilton.....
KXEE	Lake Marion.....	.b	KZL	Halcyon.....
KXEI	Lake Sanford.....	.b	KZO	Margaret.....
KXEO	Lake Gardner.....	.b	KZOA	Lake Medford.....
KXEU	Lakeville.....	.b	KZOE	Lake Arfine.....
KXF	New Hampshire.....	.b	KZOI	Lake Helen.....
KXG	Archer.....	.b	KZOO	Lake Indian.....
KXH	Plymouth.....	.b	KZOU	Lake Orange.....
KXI	Priscilla.....	.b	KZP	Evelyn.....
KXIE	Calaveras.....	.b	KZQ	Ruth.....
KXII	Calicrock.....	.b	KZR	Remlik III.....
KXIO	Calispell.....	.b	KZS	Santanta.....
KXIU	Lake Calistoga.....	.b	KZT	Everett.....
KXJ	Providence.....	.b	KZU	United States.....
KXK	Funter, Alaska.....	.c	KZUE	Kosciuszko.....
KXL	City of Taunton.....	.b	KZUU	Lake Louise.....
KXM	Mohegan.....	.b	KZW	Melrose.....
KXX	New Haven.....	.b	KZX	Newton.....
KXO	City of Brockton.....	.b	WAA	Alameda.....
KXOA	Star of Lapland.....	.b	WAAI	Pike, Ky.....
KXOE	Severance.....	.b	WAB	Saugerties.....
KXOI	Standard.....	.b	WAC	Chicago.....
KXOU	Lake Lesa.....	.b	WAD	Victoria.....
KXP	Pequonnock.....	.b	WAE	Ketchikan.....
KXQ	Chester W. Chapin.....	.b	WAF	Admiral Farragut.....
KXR	Richard Peck.....	.b	WAG	Admiral Sebree.....
KXT	Nebraskan.....	.b	WAI	Latouche.....
KXU	Westfield.....	.b	WAJ	Jefferson.....
KXUA	Lake Geneva.....	.b	WAK	Valdez.....
KXUE	Eastern Queen.....	.b	WAL	Santa Ana.....
KXUI	Lake Lillian.....	.b	WAM	Juneau.....
KXUO	Admiral Sims.....	.b	WAN	Northwestern.....
KXV	Nelson Lagoon, Alaska.....	.c	WAO	Rajah.....
KXW	Ikatan, Alaska.....	.c	WAP	Lake Crescent.....
KXX	Stephen R. Jones.....	.b	WAQ	Democracy.....
KXY	Lewis K. Thurlow.....	.b	WAR	Cordova.....
KXZ	Felix Tausig.....	.b	WAS	Chester Sun.....
KYA	Kanawha.....	.b	WAT	Skagway.....
KYB	North Wind.....	.b	WAU	Point Loma.....
KYC	Corsair.....	.b	WAV	Philippines.....
KYD	Mount Baker.....	.b	WAW	Admiral Watson.....
KYE	Casiana.....	.b	WAY	Admiral Dewey.....
KYH	Aloha.....	.b	WAZ	Admiral Schley.....
KYK	Karluk, Alaska.....	.c	WBA	Santa Clara.....
KYL	Alitak, Alaska.....	.c	WBAI	Heifron.....
KYM	Armenia.....	.b	WBAK	Harrisburg, Pa.....
KYO	Noma.....	.b	WBAL	Savannah, Ga.....
KYP	Oneida.....	.b	WBAR	Orange, Tex.....
KYQ	Honolulu, Hawaii.....	.c	WBAS	Orange Field, Tex.....
KYR	Undaunted.....	.b	WBAT	Tulsa, Okla.....
KYS	Yosemite.....	.b	WBB	Santa Cecilia.....
KYT	Redondo.....	.b	WBC	New York, N. Y. (Babylon).....
KYU	Mohawk.....	.b	WBD	Santa Cruz.....
KYV	Ascutney.....	.b	WBE	Cacique.....
KYX	Wana.....	.b	WBF	Boston, Mass.....
KYZ	Thorobred.....	.b	WBG	Venezuela.....
KZA	Alberta.....	.b	WBH	Colombia.....
KZAA	Middlebury.....	.b	WBIA	Chipchung.....
KZAE	Lake Linden.....	.b	WBJ	Santa Barbara.....
KZAI	Lake Winthrop.....	.b	WBK	Saucon.....
KZAO	Lake Wilson.....	.b	WBM	Redondo.....
KZAU	Lake Yahara.....	.b	WBN	Ecuador.....
KZB	Alicia.....	.b	WBO	Santa Rosa.....
KZD	Cornelia.....	.b	WPB	Hermosa.....

**COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.**

Call signal.	Station.		Call signal.	Station.
WBQ	Santa Paula.....	b	WEA	City of Cleveland III.....
WBR	Santa Rita.....	b	WEC	City of Detroit II.....
WBUA	Lake Gravity.....	b	WED	Western States.....
WBUE	Lake Greenbrier.....	b	WEE	Eastern States.....
WBUI	Lake Gretna.....	b	WEF	City of Detroit III.....
WBUO	Lake Grogan.....	b	WEH	City of St. Ignace.....
WBUU	Lake Forney.....	b	WEI	Tulsa, Okla.....
WBV	Cabrillo.....	b	WEJ	E. J. Earling.....
WBW	Burrwood, La.....	c	WEK	Samuel Mitchell.....
WBX	Santa Ana.....	b	WEL	Minnesota.....
WBY	Lima, Ohio.....	c	WEM	C. A. Smith.....
WCA	Tionesta.....	b	WEN	Susquehanna.....
WCAA	Tralee, W. Va.....	c	WEQ	North American.....
WCAF	Rogers, Mich.....	c	WEP	South American.....
WCB	Juniata.....	b	WER	Western King.....
WCC	Marion, Mass.....	c	WEQ	Montrolite.....
WCD	Octorara.....	b	WER	Fuget Sound.....
WCEE	Kuwa.....	b	WES	Point Adams.....
WCF	Favorite.....	b	WET	West Gotomaska.....
WCG	New York, N. Y.....	c	WEU	Western Star.....
WCH	Huron.....	b	WEX	Marquette & Bessemer No. 2.....
WCI	Barneget, N. J. (Tuckerton).....	c	WEZ	Ashtabula.....
WCIA	Bellingham.....	b	WFA	Georgia.....
WCIE	Eastport.....	b	WFAE	West Galeta.....
WCH	Invincible.....	b	WFAI	West Hobomac.....
WCIO	Lake Lemando.....	b	WFAO	Volunteer.....
WCIU	Naiwa.....	b	WFB	Alabama.....
WCL	Westchester.....	b	WFC	Indiana.....
WCO	Wyandotte.....	b	WFD	Flat Rock, Mich.....
WCOE	Socony 84.....	b	WFE	Carolina.....
WCOI	Socony 92.....	b	WFEA	Eastern King.....
WCOO	Liberty.....	b	WFEU	Winding Gulf.....
WCOU	Lake Kytle.....	b	WFEI	West Hosokie.....
WCP	Casco.....	b	WFF	Westport.....
WCQ	Negley, Ohio.....	c	WFEU	Mataanzas.....
WCR	The Harvester.....	b	WFG	Franklin.....
WCS	Alpena.....	b	WFH	Arizona.....
WCT	Theodore Roosevelt.....	b	WFIA	Avalon.....
WCU	Conneaut.....	b	WFII	Western Hope.....
WCUA	Lake Forsby.....	b	WFJ	Major Wheeler.....
WCUE	Lake Fossil.....	b	WFK	Christopher Columbus.....
WCUO	Lake Franconia.....	b	WFL	Frankfort, Mich.....
WCUU	Lake Fray.....	b	WFM	Lake Arthur.....
WCW	Fort Worth, Tex.....	c	WFN	Mexia, Tex.....
WCW	Woonsocket.....	b	WFOA	Lake Butler.....
WCY	Cape May, N. J.....	c	WFOE	Hickman.....
WCZ	Illinois.....	b	WFOI	Lewis Luckenbach.....
WDA	Pere Marquette.....	b	WFOO	Manhattan Island.....
WDB	Pere Marquette 19.....	b	WFOU	William N. Page.....
WDC	Pere Marquette 17.....	b	WFP	Phoenix Bridge.....
WDD	Pere Marquette 18.....	b	WFQ	City of Erie.....
WDE	Pere Marquette 20.....	b	WFR	City of Buffalo.....
WDEI	Crawl Keys.....	b	WFS	State of Ohio.....
WDEO	Steadfast.....	b	WFT	Seecandbee.....
WDEU	Bayamo.....	b	WFU	Charles O. Jenkins.....
WDF	Glendaruel.....	b	WFUA	F. B. Squire.....
WDG	Otsego.....	b	WFUE	Lake Freezeout.....
WDH	Petroskey.....	b	WFUI	Lake Frenchton.....
WDI	City of Miami.....	b	WFUU	A. E. R. Schneider.....
WDIA	South Pole.....	b	WFV	Oshkosh.....
WDIE	Wathena.....	b	WFW	Sir Thomas Shaughnessy.....
WDII	Watowan.....	b	WFX	Manitou.....
WDIO	Westmead.....	b	WFY	Missouri.....
WDIU	West View.....	b	WFZ	Sialia.....
WDL	Lakeland.....	b	WGA	Coronado.....
WDN	Ann Arbor No. 3.....	b	WGAA	City of Seattle.....
WDO	Ann Arbor No. 4.....	b	WGAE	Englewood.....
WDOA	Agwidale.....	b	WGAI	Galesburg.....
WDOE	Auburn.....	b	WGAO	Morristown.....
WDOI	Cape May.....	b	WGB	Shreveport.....
WDOO	Federal.....	b	WGC	Ormidale.....
WDOU	Fort Wayne.....	b	WGD	W. F. White.....
WDP	Ann Arbor No. 5.....	b	WGE	Oregon.....
WDQ	Ann Arbor No. 6.....	b	WGEA	Spokane.....
WDR	Ruth Alexander.....	b	WGEI	Easterner.....
WDU	Puritan.....	b	WGFI	East Indian.....
WDUA	Lake Frazee.....	b	WGGA	Tuckerton, N. J.....
WDUI	Lake Freeborn.....	b	WGIA	West Gramma.....
WDUO	Lake Freed.....	b	WGIE	Nantahala.....
WDUU	Lake Freeland.....	b	WGJ	Northland.....
wdx	Lake Tulare.....	b	WGK	Curacao.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WGN	Carl D. Bradley.....b	WJUI	Cohasset.....b
WGOE	Polar Bear.....b	WJUO	Magunkook.....b
WGOI	Saccarappa.....b	WJV	Guaro.....b
WGOO	Waubesa.....b	WJW	Wyandotte.....b
WGOU	West Cressy.....b	WKA	Alaskan.....b
WGP	President.....b	WKAE	Socony 85.....b
WGQ	City of Puebla.....b	WKAJ	Lake Zaliski.....b
WGS	Senator.....b	WKAQ	Lake Pickaway.....b
WGT	Western Pride.....b	WKAU	Lake Copley.....b
WGUA	Oskawa.....b	WKB	Arizonan.....b
WGUI	Brandywine.....b	WKD	Dakotan.....b
WGX	Queen.....b	WKE	Kentuckian.....b
WGZ	Guardian.....b	WKEA	Lake Deval.....b
WHC	Columbia.....b	WKEE	Lake Cahoon.....b
WHE	Philadelphia, Pa.....c	WKEI	Lake Ypsilanti.....b
WHF	Callao.....b	WKEO	Goodspeed.....b
WHG	W. F. Burrows.....b	WKF	American.....b
WHH	Mount Shasta.....b	WKG	S. M. Spalding.....b
WHI	New York, N. Y.....c	WKH	Norfolk, Nebr.....c
WHJ	Gdansk.....b	WKII	Eastern Light.....b
WHL	Ventura.....b	WKIO	Eastern Shore.....b
WHM	Sonoma.....b	WKIU	Eastern Cross.....b
WHP	Point Arena.....b	WKJ	Iowan.....b
WHR	Abner Coburn.....b	WKL	Mexican.....b
WHS	Stanley Dollar.....b	WKM	Minnesotan.....b
WHV	Velero.....b	WKO	Oregonian.....b
WHY	Martinsville, Ill.....c	WKOQ	Connerville.....b
WHZ	Johanna Smith.....b	WKP	Pennsylvanian.....b
WIA	Silver Shell.....b	WKQ	Ohioan.....b
WIB	Gold Shell.....b	WKR	Panaman.....b
WIC	Pearl Shell.....b	WKS	West Arrow.....b
WID	Charles E. Harwood.....b	WKT	Texan.....b
WIE	Edward L. Doheny.....b	WKU	Hawaiian.....b
WIF	Herbert G. Wylie.....b	WKUI	Western Belle.....b
WIG	Norman Bridge.....b	WKUU	West Zeda.....b
WIH	C. A. Canfield.....b	WKV	Virginian.....b
WII	(New Brunswick, N. J. (transmitting)).....c	WKW	Absaroka.....b
WIJ	(Belmar, N. J. (receiving)).....c	WKX	Westward Ho.....b
WIM	Edward L. Doheny, Junior.....b	WKZ	Canoga.....b
WIN	Chatham, Mass.....c	WLA	Benj. F. Packard.....b
WIO	Colusa.....b	WLAA	Sarcoxie.....b
WIQ	Fort Morgan, Ala.....c	WLAE	Barlow.....b
WIS	Frederic R. Kellogg.....b	WLAI	Lake Grandon.....b
WIT	E. R. Sterling.....b	WLAU	Lake Fluvanna.....b
WIU	George G. Henry.....b	WLC	New London, Conn.....c
WIV	Restorer.....b	WLD	Ludington, Mich.....c
WIW	Oscar D. Bennett.....b	WLE	Maitland No. 1.....b
WIX	J. M. Danziger.....b	WLEA	Lake Farge.....b
WIY	Harold Walker.....b	WLEE	Lake Faristell.....b
WJA	William Green.....b	WLEI	Lake Forkville.....b
WJAA	Andalusia.....b	WLEO	Lake Cathcoen.....b
WJAI	Sangamon.....b	WLEU	Lake Fugard.....b
WJAO	Yuma.....b	WLF	Coosa.....b
WJB	M. J. Scanlon.....b	WLG	Yucatan.....b
WJC	Lawrenceville, Ill.....c	WLH	Fort Bragg.....b
WJE	Owensboro, Ky.....c	WLI	Westbrook.....b
WJEI	Skagit Power Site, Wash.....c	WLIA	Santa Teresa.....b
WJEJO	Plainfield.....b	WLII	Goree.....b
WJF	Phoenix.....b	WLIO	Nantasket.....b
WJJ	Teresa.....b	WLJ	Monticello.....b
WJL	Porto Rico.....b	WLL	Greenwood.....b
WJM	West Zucker.....b	WLM	Warszawa.....b
WJN	Guimba.....b	WLN	Black Arrow.....b
WJO	Oskaloosa.....b	WLO	Orion.....b
WJOA	Independence.....b	WLOO	Cadaretta.....b
WJOE	Schenectady.....b	WLOU	Barkhamstead.....b
WJII	Florida.....b	WLP	Minneapolis, Minn.....c
WJIO	Wachusett.....b	WLQ	Sabine Sun.....b
WJIU	J. C. Donnell.....b	WLR	Floridian.....b
WJJ	Munaires.....b	WLS	President Arthur.....b
WJL	Nyanza.....b	WLT	Neuse.....b
WJM	West Elcasco.....b	WLU	Pawnee.....b
WJN	West Eldara.....b	WLUI	Alamosa.....b
WJO	West Loquassuck.....b	WLVO	Alcona.....b
WJOA	West Madaket.....b	WLUU	Ingold.....b
WJOE	West Kyska.....b	WLV	Ida.....b
WJII	Tunica.....b	WLX	Pequot.....b
WJIO	W. M. Tupper.....b	WLY	Poznam.....b
WJOO	Amphion.....b	WLZ	Montpelier.....b
WJR	Osage.....b	WMA	Multnomah.....b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WMAA	Lake Furley.....	b	WOW Henry J. Biddle.....
WMAE	Cowanshannock.....	b	WOX Levi G. Burgess.....
WMAI	Cowboy.....	b	WOY Queen II.....
WMAO	Cowie.....	b	WPAE Sag Harbor.....
WMD	West Shore.....	b	WPAI Yomachichl.....
WME	Rockland, Me.....	c	WPAO Wilcox.....
WMEA	Costilla.....	b	WPC Tyee.....
WMEE	Cote Blanche.....	b	WPD Tampa, Fla.....
WMEI	Cotopaxi.....	b	WPF Camp Eustis, Va., Flagship Div. I.....
WMEO	Cottonplant.....	b	WPH S. M. Fischer.....
WMEU	Cottonwood.....	b	WPIE Corrales.....
WMF	Celilo.....	b	WPII Corsicana.....
WMG	Wapama.....	b	WPIO Lake Fostoria.....
WMI	Minnesota.....	b	WPIU Lake Fouche.....
WMO	W. H. McGean.....	b	WPK Florence Olson.....
WMIU	Charles L. Hutchinson.....	b	WPN Pioneer.....
WMJ	Ernest H. Meyer.....	b	WPOO Washatenaw.....
WMK	Hyades.....	b	WPOU Charles M. Everest.....
WML	Lurline.....	b	WPQ Zapora.....
WMM	Freeman.....	b	WPR Ensenada, P. R.....
WMN	Enterprise.....	b	WPS Starr.....
WMO	Wilhelmina.....	b	WPT Norfolk, Va.....
WMOA	Tillamook.....	b	WPUE Caddopeak.....
WMP	Matsonia.....	b	WPUI Callabasas.....
WMQ	Manoa.....	b	WPUO Cascade.....
WMR	Maui.....	b	WPUU Coaxet.....
WMS	Wahkeena.....	b	WPV H. M. Whitney.....
WMT	Point Bonita.....	b	WPW James S. Whitney.....
WMUE	Cokato.....	b	WPX Oneonta.....
WMUI	Charlot.....	b	WPY Wallula.....
WMUO	Panola.....	b	WPZ Springwells, Mich.....
WMV	Kermitt.....	b	WQC Toledo, Ohio.....
WMW	Manitowoc, Wis.....	c	WQD Hisko.....
WMY	A. M. Byers.....	b	WQE Harvey H. Brown.....
WMZ	Honolulu.....	b	WQE A. Lithopolis.....
WNA	Springfield, Ohio.....	c	WQE E. Oneonta.....
WNAA	Craincreek.....	b	WQE O. Everglades.....
WNAAE	Crane nest.....	b	WQE U. West Zula.....
WNAI	Craycroft.....	b	WQF Canibas.....
WNAO	Lake Callicoon.....	b	WQG Harry W. Croft.....
WNAU	Lake Fresco.....	b	WQH Fayette Brown.....
WNB	El Capitan.....	b	WQI M. A. Bradley.....
WNC	Wabash.....	b	WQIA Costa Rica.....
WND	Windber.....	b	WQII Mexoil.....
WNE	Nushagak.....	b	WQIO Holbrook.....
WNEA	Lake Charlottesville.....	b	WQJ Neponset.....
WNEO	Dio.....	b	WQK Sarah Weems.....
WNF	Hattie Luckenbach.....	b	WQL St. James, N. Y.....
WNG	Otto M. Reiss.....	b	WQO Coram Hill, N. Y.....
WNH	Clemens A. Reiss.....	b	WQOE Tipton.....
WNI	William A. Reiss.....	b	WQQ Garfield.....
WNIE	Agawam.....	b	WQR Rappahannock.....
WNII	Challenger.....	b	WQS Nansemond.....
WNIO	Python.....	b	WQT Artemis.....
WNIU	Cornueopia.....	b	WQL Watauga.....
WNK	Richard J. Reiss.....	b	WQU Cuba.....
WNL	Lake St. Clair.....	b	WQUA Cokesit.....
WNM	Florence Luckenbach.....	b	WQOO Iconium.....
WNN	Belfast, Me.....	c	WQUU Jacoma.....
WNP	Pleiades.....	b	WQW Jennette Skinner.....
WNQ	Frederic Ewing.....	b	WQX Detroit, Mich.....
WNR	Rush.....	b	WQZ West Eagle.....
WNS	Kvichak.....	b	WRA O. A. Hermanson.....
WNU	New Orleans, La.....	c	WRAE Alabama.....
WNUO	Brookdale.....	b	WRAI Allegheny.....
WNV	Hatters.....	b	WRB Berlin.....
WNW	San Ramon.....	b	WRD Silverado.....
WNX	Peter Reiss.....	b	WRE D. G. Scofield.....
WNY	Brooklyn, N. Y.....	c	WREI J. A. Moffet.....
WNZ	F. J. Luckenbach.....	b	WREA West Lashaway.....
WOA	Admiral Rodman.....	b	WREE Wauconda.....
WOD	Beaumont, Tex.....	c	WREI Quisteconck.....
WOF	Horace X. Baxter.....	b	WREO Zirkel.....
WOG	Fred Baxter.....	b	WREU Governor John Lind.....
WOJ	Iris.....	b	WRF Amelia.....
WOL	Los Angeles.....	b	WRG Annetta.....
WOM	William A. McKenney.....	b	WRH Harvard.....
WON	La Brea.....	b	WRI Paraiso.....
WOP	Lake Elizabeth.....	b	WRIE Lake Gorin.....
WOT	Coalinga.....	b	WRIO Star 1.....
WOV	Venetia.....	b	WRJ Admiral Goodrich.....
			WRN Siboney.....

COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—  
Continued.

Call signal.	Station.	Call signal.	Station.		
WRO	Middlesex.....	b	WTQ	El Segundo.....	b
WROA	Westpool.....	b	WTR	Richmond.....	b
WROE	Indianapolis.....	b	WTS	Col. E. L. Drake.....	b
WROI	Lydia.....	b	WTT	Atlas.....	b
WROO	E. L. Doheny, 3rd.....	b	WTUE	S. O. Co. No. 91.....	b
WRQ	Marion Mass. (Matapoisett).....	c	WTUI	Laurel.....	b
WRS	Suffolk.....	b	WTUO	Calvert.....	b
WRT	New Brunswick, N. J. (Bound Brook).....	c	WTUU	Houma.....	b
WRUO	Quittacas.....	b	WTV	West Mahomet.....	b
WRV	Alliance.....	b	WTW	Captain A. F. Lucas.....	b
WRX	Ozama.....	b	WTX	Ossineke.....	b
WRY	Yale.....	b	WTY	Asuncion.....	b
WRZ	Rainier.....	b	WTZ	S. O. Co. No. 93.....	b
WSA	East Hampton, N. Y.....	c	WVA	S. O. Co. No. 95.....	b
WSD	Redwood.....	b	WVAE	Coquina.....	b
WSE	East Moriches, N. Y.....	c	WVEU	Corapeak.....	b
WSEA	Defiance.....	b	WVIA	Corcoran.....	b
WSEE	W. L. Steed.....	b	WVAO	Conotton.....	b
WSEI	Cricket.....	b	WVAU	Contoocook.....	b
WSEO	Lake Fondulac.....	b	WVEI	Basco.....	b
WSEU	Lake Buckeye.....	b	WVEU	Isanto.....	b
WSF	Agnes Dollar.....	b	WVIA	Lake Gormania.....	b
WSG	Norwood.....	b	WVIU	Lake Govan.....	b
WSI	Santa Inez.....	b	WVOE	Couparle.....	b
WSJ	Edna Christenson.....	b	WVOI	Courtois.....	b
WSK	New York, N. Y.....	c	WVOO	Coushatta.....	b
WSM	Fair Oaks.....	b	WVOU	Coutoleme.....	b
WSO	Marion, Mass. (transmitting).....	c	WVUA	Courageous.....	b
WSOI	Chatham, Mass. (receiving).....	c	WWA	China.....	b
WSOO	West Sequana.....	b	WWC	Western Wave.....	b
WSP	Crathorne.....	b	WWD	Arcadia.....	b
WSQ	Westhampton.....	b	WWE	Manchuria.....	b
WSR	Vizcaya.....	b	WWF	City of Para.....	b
WSS	Reuce.....	b	WWH	Newport.....	b
WST	St. Nicholas.....	b	WWK	Western Queen.....	b
WSU	New London, Conn.....	c	WWM	San Juan.....	b
WSUA	Republic.....	b	WWN	Mongolia.....	b
WSUE	West Helix.....	b	WWP	Ausable.....	b
WSUJ	West Wauma.....	b	WWR	Rose City.....	b
WSUJ	West Waunake.....	b	WXAA	Ozaukee.....	b
WSUJ	Lake Gradan.....	b	WXEA	Western Scout.....	b
WSW	Willamette.....	b	WXEI	Western Comet.....	b
WSZ	Bremerton.....	b	WXEO	West Cape.....	b
WTAA	Lake Beacon.....	b	WXEU	Yukon.....	b
WTAE	Lake Desha.....	b	WXIA	Victorious.....	b
WTAI	Lake Mattato.....	b	WXOA	Cowiche.....	b
WTAO	Lake Licooc.....	b	WXOE	W. J. Crosby.....	b
WTC	Lansing.....	b	WXOI	Penobscot.....	b
WTD	Oleum.....	b	WXOO	Craigsmere.....	b
WTE	Tamesi.....	b	WXUI	Hampden.....	b
WTEE	Cedar Spring.....	b	WXUO	Monmouth.....	b
WTEI	Ceralvo.....	b	WZAA	L. J. Drake.....	b
WTEO	Cerosco.....	b	WZAE	West Humhaw.....	b
WTEU	Coperas.....	b	WZAU	E. C. Pope.....	b
WTF	Westwood.....	b	WZEA	Saxon.....	b
WTH	Westlake.....	b	WZEE	Maruba.....	b
WTI	Swans Island, Me.....	c	WZEU	North Pines.....	b
WTII	Socony 90.....	b	WZIO	Admiral Mayo.....	b
WTIO	Socony 94.....	b	WZIU	Western Plains.....	b
WTIU	Deerfield.....	b	WZOA	Lake Graphite.....	b
WTJ	Sutherland.....	b	WZOE	Lake Gratis.....	b
WTL	Lyman Stewart.....	b	WZOI	Lake Grattan.....	b
WTM	W. S. Porter.....	b	WZOO	Lake Gravella.....	b
WTN	Wm. F. Herrin.....	b	WZOU	Lake Gravett.....	b
WTO	Frank H. Buck.....	b	WZUA	Norfolk.....	b
WTOO	Toiler.....	b	WZUE	Newburgh.....	b
WTOU	Coulee.....	b			

# BROADCASTING STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

Station.	Call signal.	Station.	Call signal.
Aberdeen, Wash.	KNT	Dayton, Ohio	WFO
Akron, Ohio.	WOE	Dearborn, Mich.	WWI
Albany, N. Y.	WNJ	Decatur, Ga.	WAAS
✓ Altadena, Calif.	KGO	Decatur, Ill.	WBAO
Altoona, Pa..	WGAW	Decatur, Ill.	WCAP
Amarillo, Tex.	WDAG	Defiance, Ohio	WCAQ
Ames, Iowa	WOI	Del Monte, Calif.	KLN
Anderson, Ind.	WEAW	Denver, Colo.	KDYY
Anthony, Kans.	WBL	Denver, Colo.	KDZQ
Asheville, N. C.	WFAJ	Denver, Colo.	KFAP
Athens, Ohio.	WAAV	Denver, Colo.	KLZ
Atlanta, Ga..	WDAW	Denver, Colo.	KOA
Atlanta, Ga.	WSB	Des Moines, Iowa.	WGF
Atwood, Kans.	WEAD	Detroit, Mich.	KOP
Auburn, Me.	WMB	Detroit, Mich.	WCX
Austin, Tex.	WCM	Detroit, Mich.	WWJ
Bakersfield, Calif.	KDZB	East Lansing, Mich.	WHW
Bakersfield, Calif.	KYI	East Pittsburgh, Pa.	KDKA
Baltimore, Md.	WCAO	Edgewood, R. I.	WEAG
Baltimore, Md.	WEAR	El Dorado, Kans.	WAH
Baltimore, Md.	WKC	El Monte, Calif.	KUY
Bay City, Mich	WTP	El Paso, Tex.	WDAH
Bellingham, Wash	KDZR	Emporia, Kans.	WAAZ
Berkeley, Calif.	KQI	Ensenada, P. R.	WGAD
Berkeley, Calif.	KRE	Erie, Pa.	WJT
Berlin, N. H.	WEAQ	Erie, Pa.	WSX
Binghamton, N. Y.	WFAX	Eugene, Oreg.	KDZJ
Birmingham, Ala.	WSY	Eureka, Calif.	KNI
Blacksburg, Va.	WEAE	Everett, Wash.	KDZZ
Boston, Mass.	WAAJ	Fargo, N. Dak.	WDAY
Boston, Mass.	WFAU	Flint, Mich.	WEAA
Boulder, Colo.	KFAJ	Fort Dodge, Iowa.	WEAB
Brentwood, Mo.	WFAK	Fort Smith, Ark.	WCAC
Bridgeport, Pa.	WBAG	Fort Smith, Ark.	WGAR
Brooklyn, N. Y.	WGAC	Fort Wayne, Ind.	WFAS
Brownsville, Pa.	WDAQ	Fort Worth, Tex.	WBAP
Buffalo, N. Y.	WGR	Fort Worth, Tex.	WPA
Buffalo, N. Y.	WWT	Fresno, Calif.	KDZH
Burlington, Vt.	WCAX	Galveston, Tex.	WHAB
Camden, N. J.	WRP	Glendale, Calif.	KFAC
Cameron, Mo.	WFAQ	Granville, Ohio.	WJD
Canton, N. Y.	WCAD	Great Falls, Mont.	KDYS
Canton, Ohio.	WWB	Greenwich, Conn.	WAAQ
Centerville, Iowa.	WDAX	Gridley, Calif.	KFU
Centralia, Wash.	KDZM	Hamilton, Ohio.	WBAU
Charleston, S. C.	WFAZ	Hamilton, Ohio.	WRK
Charlestown, W. Va.	WAAO	Hartford, Conn.	WDAK
Charlotte, N. C.	WBT	Honolulu, Hawaii.	KDYX
Chicago, Ill.	KYW	Honolulu, Hawaii.	KGU
Chicago, Ill.	WAAF	Hood River, Oreg.	KQP
Chicago, Ill.	WBU	Houston, Tex.	WCAK
Chicago, Ill.	WDAP	Houston, Tex.	WEAY
Chicago, Ill.	WGAS	Houston, Tex.	WEV
Chicago, Ill.	WGU	Houston, Tex.	WFAL
Cincinnati, Ohio.	WAAD	Houston, Tex.	WGAB
Cincinnati, Ohio.	WIZ	Houston, Tex.	WAAR
Cincinnati, Ohio.	WLW	Huntington, W. Va.	WFAN
Cincinnati, Ohio.	WMH	Hutchinson, Minn.	WFAY
Clearfield, Pa.	WPI	Independence, Kans.	WLK
Cleveland, Ohio.	WHK	Indianapolis, Ind.	WOH
College Park, Ga.	WDAJ	Indianapolis, Ind.	WHAH
Colorado Springs, Colo.	KHD	Iowa City, Iowa.	WEAI
Columbia, Mo.	WAAN	Ithaca, N. Y.	WCAN
Columbus, Ohio.	WBAV	Jacksonville, Fla.	WDAL
Columbus, Ohio.	WCAH	Jacksonville, Fla.	WOS
Columbus, Ohio.	WEAO	Jefferson City, Mo.	WNO
Crafton, Pa.	WAAX	Jersey City, N. J.	WDAF
Dallas, Tex.	WDAO	Kansas City, Mo.	WHB
Dallas, Tex.	WFAA	Kansas City, Mo.	WOO
Dallas, Tex.	WRR	Kansas City, Mo.	WPE
Davenport, Iowa.	WOC	Kansas City, Mo.	

## BROADCASTING STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station.	Call signal.
Klamath Falls, Oreg.	KDYU	Oklahoma City, Okla.	WKY
Lacey, Wash.	KGY	Omaha, Nebr.	WAAW
Lancaster, Pa.	WGAL	Omaha, Nebr.	WDV
Lincoln, Nebr.	WFAV	Omaha, Nebr.	WOU
Lincoln, Nebr.	WGAT	Orangeburg, S. C.	WGAM
Lindsborg, Kans.	WDAD	Paris, Tex.	WTK
Little Rock, Ark.	WCAV	Pasadena, Calif.	KDYL ✓
Little Rock, Ark.	WEAX	Pasadena, Calif.	KLB
Little Rock, Ark.	WSV	Paterson, N. J.	WBAN ✓
Long Beach, Calif.	KSS ✓	Pensacola, Fla.	WGAN
Los Altos, Calif.	KLP	Peoria, Ill.	WBAAE
Los Angeles, Calif.	KDZD ✓	Peoria, Ill.	WFAP
Los Angeles, Calif.	KDZF ✓	Pine Bluff, Ark.	WOK
Los Angeles, Calif.	KDZP ✓	Philadelphia, Pa.	WCAU
Los Angeles, Calif.	KFI ✓	Philadelphia, Pa.	WDAR
Los Angeles, Calif.	KHJ ✓	Philadelphia, Pa.	WFI
Los Angeles, Calif.	KJC ✓	Philadelphia, Pa.	WGL
Los Angeles, Calif.	KJS ✓	Philadelphia, Pa.	WIP
Los Angeles, Calif.	KNN ✓	Philadelphia, Pa.	WOO
Los Angeles, Calif.	KNR ✓	Philadelphia, Pa.	WPJ
Los Angeles, Calif.	KNV ✓	Phoenix, Ariz.	KDYW
Los Angeles, Calif.	KNX ✓	Phoenix, Ariz.	KFAD
Los Angeles, Calif.	KOG ✓	Pittsburgh, Pa.	KQV
Los Angeles, Calif.	KUS ✓	Pittsburgh, Pa.	WCAE
Los Angeles, Calif.	KWH ✓	Pittsburgh, Pa.	WHAF
Los Angeles, Calif.	KXS ✓	Pomona, Calif.	KGF
Los Angeles, Calif.	KYJ ✓	Port Arthur, Tex.	WFAH
Los Angeles, Calif.	KZI ✓	Portland, Oreg.	KDYQ
Macon, Ga.	WGAK	Portland, Oreg.	KFAB
Madison, Wis.	WGAY	Portland, Oreg.	KGG
Madison, Wis.	WHA	Portland, Oreg.	KGN
Manhattan, Kans.	WTG	Portland, Oreg.	KGW
Marietta, Ohio.	WBAW	Portland, Oreg.	KQY
McKeesport, Pa.	WIK	Portland, Oreg.	KYG
Medford Hillside, Mass.	WGI	Portsmouth, Ohio.	WDAB
Memphis, Tenn.	WKN	Poughkeepsie, N. Y.	WFAF
Memphis, Tenn.	WPO	Providence, R. I.	WEAN
Miami, Fla.	WFAW	Pullman, Wash.	KFAE
Milwaukee, Wis.	WAAK	Quincy, Ill.	WCAW
Milwaukee, Wis.	WCAY	Quincy, Ill.	WCAT
Minneapolis, Minn.	WHAD	Rapid City, S. Dak.	KDYN
Minneapolis, Minn.	WAAL	Redwood City, Calif.	KMC
Minneapolis, Minn.	WBAD	Reedley, Calif.	KDZK
Minneapolis, Minn.	WBAH	Reno, Nev.	WOZ
Minneapolis, Minn.	WCAS	Richmond, Ind.	WBAZ
Minneapolis, Minn.	WCE	Richmond, Va.	WHN
Mobile, Ala.	WLB	Ridgewood, N. Y.	WHQ
Modesto, Calif.	WEAP	Rochester, N. Y.	WDY
Modesto, Calif.	KOQ	Roselle Park, N. J.	KNJ
Moorestown, N. J.	KXD	Roswell, N. Mex.	WEAV
Morgantown, W. Va.	WBAF	Rushville, Nebr.	KVQ
Muskogee, Okla.	WHD	Sacramento, Calif.	WFAD
Nashville, Tenn.	WDAV	Salina, Kans.	KDYL
Newark, N. J.	WDAU	Salt Lake City, Utah.	KDYV
Newark, N. J.	WAAM	Salt Lake City, Utah.	KZN
Newark, N. J.	WBS	Salt Lake City, Utah.	WCAR
Newark, N. J.	WJZ	San Antonio, Tex.	KDPT
New Bedford, Mass.	WOR	San Diego, Calif.	KDYM
Newburgh, N. Y.	WDAU	San Diego, Calif.	KDYO
New Haven, Conn.	WCAB	San Diego, Calif.	KON
New Haven, Conn.	WCJ	San Diego, Calif.	KYF
New Lebanon, Ohio.	WGAH	Sanford, Me.	WFAR
New Orleans, La.	WPG	San Francisco, Calif.	KDN
New Orleans, La.	WAAB	San Francisco, Calif.	KDZG
New Orleans, La.	WAAC	San Francisco, Calif.	KDZW
New Orleans, La.	WBAM	San Francisco, Calif.	KDZX
New Orleans, La.	WCAG	San Francisco, Calif.	KPO
New Orleans, La.	WGV	San Francisco, Calif.	KSL
New Orleans, La.	WWL	San Francisco, Calif.	KUO
New York, N. Y.	WBAY	San Francisco, Calif.	KYY
New York, N. Y.	WDT	San Francisco, Calif.	KZY
New York, N. Y.	WEAF	San Francisco, Calif.	KQW
New York, N. Y.	WJX	San Jose, Calif.	KSC
New York, N. Y.	WWZ	San Jose, Calif.	WGAV
Norfolk, Va.	WSN	Savannah, Ga.	WGY
Northfield, Minn.	WCAL	Schenectady, N. Y.	WRL
North Plainfield, N. J.	WEAM	Seattle, Wash.	KDZE
Oakland, Calif.	KLS	Seattle, Wash.	KFC
Oakland, Calif.	KLX	Seattle, Wash.	KHQ
Oakland, Calif.	KZM	Seattle, Wash.	KJR
Ogden, Utah.....	KDZL		

## BROADCASTING STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station.	Call signal.
Seattle, Wash.	KTW	Toledo, Ohio.	WBAJ
Seattle, Wash.	KZC	Toledo, Ohio.	WHU
Shenandoah, Iowa.	WGAJ	Toledo, Ohio.	WJK
Shreveport, La.	WAAG	Tucson, Ariz.	KDZA
Shreveport, La.	WDAN	Tulsa, Okla.	WEH
Shreveport, La.	WGAQ	Tulsa, Okla.	WGAF
Sioux City, Iowa.	WEAU	Tuscola, Ill.	WDZ
Sioux City, Iowa.	WHAE	University Place, Nebr.	WCAJ
Sioux Falls, S. Dak.	WFAT	Urbana, Ill.	WRM
South Bend, Ind.	WBAQ	Utica, N. Y.	WSL
South Bend, Ind.	WGAZ	Vermilion, S. Dak.	WEAJ
Spokane, Wash.	KFZ	Villanova, Pa.	WCAM
Spokane, Wash.	KOE	Washington, D. C.	WDM
Springfield, Ill.	WDAC	Washington, D. C.	WEAS
Springfield, Mass.	WBZ	Washington, D. C.	WIL
State College, N. Mex.	KOB	Washington, D. C.	WJH
St. Cloud, Minn.	WFAM	Washington, D. C.	WMU
St. Joseph, Mo.	WEAK	Washington, D. C.	WPM
St. Louis, Mo.	KSD	Waterford, N. Y.	WFAG
St. Louis, Mo.	WAAE	Waterloo, Iowa.	WEAZ
St. Louis, Mo.	WCK	Waterloo, Iowa.	WHAC
St. Louis, Mo.	WEB	West Lafayette, Ind.	WBAA
St. Louis, Mo.	WEW	Wenatchee, Wash.	KDZI
Stockton, Calif.	KJQ	Wenatchee, Wash.	KZV
Stockton, Calif.	KWG	Wichita, Kans.	WAAP
St. Paul, Minn.	WAAH	Wichita, Kans.	WEAH
Sunnyvale, Calif.	KJJ	Wichita, Kans.	WEY
Superior, Wis.	WFAC	Wilkes-Barre, Pa.	WBAX
Syracuse, N. Y.	WBAB	Wooster, Ohio.	WGAV
Syracuse, N. Y.	WDAL	Worcester, Mass.	WCN
Syracuse, N. Y.	WFAB	Worcester, Mass.	WDAS
Tacoma, Wash.	KGB	Worcester, Mass.	WDAT
Tacoma, Wash.	KMO	Yakima, Wash.	KFV
Tampa, Fla.	WDAE	Yakima, Wash.	KQT
Tampa, Fla.	WEAT	Youngstown, Ohio.	WAAY
Tarrytown, N. Y.	WRW	Youngstown, Ohio.	WMC
Terre Haute, Ind.	WEAC	Zanesville, Ohio.	WPL

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS (485 METERS) AND MUSIC, CONCERTS, LECTURES, ETC. (360 METERS), ALPHABETICALLY BY CALL LETTERS.**

Call signal.	Owner of station.	Location of station.	Wave lengths.
KDKA	Westinghouse Electric & Manufacturing Co.	East Pittsburgh, Pa.....	360
KDN	Leo J. Meyberg Co.....	San Francisco, Calif., California and Mason Streets.	360, 485
KDPT	Southern Electrical Co.....	San Diego, Calif., Third and E Streets.....	360
KDYL	Telegram Publishing Co.....	Salt Lake City, Utah.....	360
KDYM	Savoy Theater.....	San Diego, Calif., 236 C Street.....	360
KDYN	Great Western Radio Corp.....	Redwood City, Calif.....	360
KDYO	Carlson & Simpson.....	San Diego, Calif., Union and C Streets.....	360
KDYQ	Oregon Institute of Technology.....	Portland, Oreg.....	485
KDYR	Pasadena Star-News Publishing Co.....	Pasadena, Calif.....	360
KDYS	The Tribune.....	Great Falls, Mont.....	360
KDYU	Herald Publishing Co.....	Klamath Falls, Oreg.....	360
KDYV	Cope & Cornwell Co.....	Salt Lake City, Utah, 1138 Michigan Avenue.....	360
KDYW	Smith, Hughes & Co.....	Phoenix, Ariz., Third Avenue and Jefferson Street.....	360
KDYX	Star Bulletin.....	Honolulu, Hawaii.....	360
KDYY	Rocky Mountain Radio Corp.....	Denver, Colo., 1512 Broadway.....	360
KDZA	Arizona Daily Star.....	Tucson, Ariz.....	360
KDZB	Frank E. Siefert.....	Bakersfield, Calif., 1402 Twentieth Street.....	360
KDZD	W. R. Mitchell.....	Los Angeles, Calif., 729 South Broadway.....	360
KDZE	The Rhodes Co.....	Seattle, Wash., 1321 Second Avenue.....	360
KDZF	Automobile Club of Southern California.....	Los Angeles, Calif., 260 Figueroa.....	360
KDZG	Cyrus Peirce & Co.....	San Francisco, Calif., 433 California Street.....	360
KDZH	Fresno Evening Herald.....	Fresno, Calif.....	360
KDZI	Electric Supply Co.....	Wenatchee, Wash.....	360
KDZJ	Excelsior Radio Co.....	Eugene, Oreg., Box 33.....	360
KDZK	Nevada Machinery & Electric Co.....	Reno, Nev.....	360
KDZL	Rocky Mountain Radio Corp.....	Ogden, Utah, 2311 Washington Avenue.....	360
KDZM	E. A. Hollingsworth.....	Centralia, Wash., 203 North Tower Avenue.....	360
KDZP	Newberry Electric Corp.....	Los Angeles, Calif., 724 South Olive Street.....	360
KDZQ	Motor Generator Co.....	Denver, Colo., 429 South Sherman Street.....	360
KDZR	Bellingham Publishing Co.....	Bellingham, Wash.....	360
KDZW	Claude W. Gerdes.....	San Francisco, Calif., 2198 O'Farrell St.....	360
KDZX	Glad Tidings Tabernacle.....	San Francisco, Calif., 1536 Ellis St.....	360
KDZZ	Kinney Bros. & Sipprell.....	Everett, Wash., 1705 Hewitt Ave.....	360
KFAB	Pacific Radiofone Co.....	Portland, Oreg., 108 N. Broadway.....	360
KFAC	Glendale Daily Press.....	Glendale, Calif., 222 S. Brand Boulevard.....	360
KFAD	McArthur Bros. Mercantile Co.....	Phoenix, Ariz., 134 S. Central St.....	360
KFAE	State College of Washington.....	Pullman, Wash.....	360
KFAF	Western Radio Corporation.....	Denver, Colo., 737 Lincoln St.....	360
KFAJ	University of Colorado.....	Boulder, Colo.....	360
KFC	Northern Radio & Electric Co.....	Seattle, Wash., 418 Union Street.....	360
KFI	Earle C. Anthony (Inc.).....	Los Angeles, Calif., Tenth and Hope Streets.....	360
KFU	The Precision Shop.....	Gridley, Calif., Sycamore Street.....	360
KFV	Foster-Bradbury Radio Store.....	Yakima, Wash., Herald Block.....	360
KFZ	Doerr-Mitchell Electric Co.....	Spokane, Wash., 118-120 Lincoln Street.....	360
KGB	Wm. A. Mulline Electric Co.....	Tacoma, Wash., 1130 Broadway.....	360
KGF	Pomona Fixture & Wiring Co.....	Pomona, Calif., 310 West Second Street.....	360
GGG	Hallock & Watson Radio Service.....	Portland, Oreg., 192 Park Street.....	360
KGN	Northwestern Radio Manufacturing Co.....	Portland, Oreg., 1556 East Taylor Street.....	360
KGO	Altadena Radio Laboratory.....	Altadena, Calif., 2940 Maiden Lane.....	360
KGU	Marion A. Mulroney.....	Honolulu, Hawaii, Waikiki Beach.....	360
KGW	Oregonian Publishing Co.....	Portland, Oreg., Sixth and Alder Streets.....	360
KGY	St. Martins College (Rev. S. Ruth).....	Lacey, Wash.....	360
KHD	C. F. Aldrich Marble & Granite Co.....	Colorado Springs, Colo., P. O. Box 285.....	485
KHJ	C. R. Kierulff & Co.....	Los Angeles, Calif., 757 South Los Angeles Street.....	360, 485
KHQ	Louis Wasmer.....	Seattle, Wash., 419 Thirteenth Avenue.....	360
KJC	Standard Radio Co.....	Los Angeles, Calif., 1048 South Olive Street.....	360
KJJ	The Radio Shop.....	Sunnyvale, Calif., 229 Sunnyvale Avenue.....	360
KJQ	C. O. Gould.....	Stockton, Calif., 615 East Main Street.....	360
KJR	Vincent I. Kraft.....	Seattle, Wash., 6833 Nineteenth Avenue NE.....	360
KJS	Bible Institute of Los Angeles.....	Los Angeles, Calif., 536 South Hope Street.....	360
KLB	J. J. Dunn & Co.....	Pasadena, Calif., 1295 East Villa Street.....	360
KLN	Noggle Electric Works.....	Del Monte, Calif.....	360
KLP	Colin B. Kennedy Co.....	Los Altos, Calif., O'Keefe Avenue.....	360
KLS	Warner Bros.....	Oakland, Calif., 2201 Telegraph Avenue.....	360
KLX	Tribune Publishing Co.....	Oakland, Calif., Thirteenth and Franklin Streets.....	360

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS (485 METERS) AND MUSIC,  
CONCERTS, LECTURES, ETC. (360 METERS), ALPHABETICALLY BY CALL LETTERS—  
Continued.**

Call signal.	Owner of station.	Location of station.	Wave lengths.
KLZ	Reynolds Radio Co.	Denver, Colo., 1534 Glenarm Place	360, 485
KMC	Lindsay-Weatherill & Co.	Reedley, Calif.	360
KMJ	San Joaquin Light & Power Corp.	Fresno, Calif., H and Tulare Streets	360, 485
KMO	Love Electric Co.	Tacoma, Wash., 732 Pacific Avenue	360
KNI	T. W. Smith	Eureka, Calif., Humboldt National Bank Building	360
KNJ	Roswell Public Service Co.	Roswell, N. Mex., 112 West Third Street	360, 485
KNN	Bullock's	Los Angeles, Calif., Seventh and Broadway	360
KNR	Beacon Light Co.	Los Angeles, Calif., 636 South Hill Street	360
KNT	North Coast Products Co.	Aberdeen, Wash., 913 West Hume Street	360
KNV	Radio Supply Co.	Los Angeles, Calif., 815 South Main Street	360
KNX	Electric Lighting Supply Co.	Los Angeles, Calif., 216 West Third Street	360
KOA	Young Men's Christian Association	Denver, Colo., Lincoln Street and Sixteenth Avenue	485
KOB	New Mexico College of Agriculture and Mechanic Arts	State College, N. Mex.	360, 485
KOE	Spokane Chronicle	Spokane, Wash.	360
KOG	Western Radio Electric Co.	Los Angeles, Calif., Seventh and Grand Streets	360
KON	Holzwasser (Inc.)	San Diego, Calif., Fifth and Broadway	360
KOP	Detroit Police Department	Detroit, Mich.	360
KOQ	Modesto Evening News	Modesto, Calif.	360
KPO	Hale Bros.	San Francisco, Calif., Fifth and Market Streets	360
KQI	University of California	Berkeley, Calif.	360
KQP	Blue Diamond Electric Co.	Hood River, Oreg., 308 Cascade Avenue	360, 485
KQT	Electric Power & Appliance Co.	Yakima, Wash., 17 North Second Street	360
KQV	Doubleday-Hill Electric Co.	Pittsburgh, Pa., 719 Liberty Avenue	360
KQW	Charles D. Herrold	San Jose, Calif., 467 First Street	360
KQY	Stubbs Electric Co.	Portland, Oreg., 75 Sixth Street	360
KRE	Maxwell Electric Co.	Berkeley, Calif., 3100 Adeline Street	360
KSC	O. A. Hale & Co.	San Jose, Calif.	360
KSD	Post Dispatch	St. Louis, Mo.	360
KSL	The Emporium	San Francisco, Calif.	360
KSS	Prest & Dean Radio Research Laboratory.	Long Beach, Calif., 18 Elm Avenue	360
KTW	First Presbyterian Church	Seattle, Wash., Seventh Avenue and Spring Street	360
KUO	Examiner Printing Co.	San Francisco, Calif.	360, 485
KUS	City Dye Works & Laundry Co.	Los Angeles, Calif., 3000 Central Avenue	360
KUY	Coast Radio Co.	El Monte, Calif.	360
KVQ	J. C. Hobrecht	Sacramento, Calif., 915 Seventh Street	360
KWG	Portable Wireless Telephone Co.	Stockton, Calif., 530 East Market Street	360
KWH	Los Angeles Examiner	Los Angeles, Calif.	360, 485
KXD	Herald Publishing Co.	Modesto, Calif., City Hall	360
KXS	Braun Corp.	Los Angeles, Calif., 363 New High Street	360
KYF	Theearly Music Co.	San Diego, Calif., 640 Broadway	360
KYG	Willard P. Hawley, jr.	Portland, Oreg., 400 East Twenty-second Street North	360
KYI	Alfred Harrell	Bakersfield, Calif., 1925 I Street	360
KYJ	Leo J. Meyberg Co.	Los Angeles, Calif., Eighth Street and Broadway	360, 485
KYW	Westinghouse Electric & Manufacturing Co.	Chicago, Ill., 72 West Adams Street	360, 485
KYY	The Radio Telephone Shop	San Francisco, Calif., 175 Steuart Street	360
KZC	Public Market & Market Stores Co.	Seattle, Wash., 1429 First Avenue	360
KZI	Irving S. Cooper	Los Angeles, Calif., 2041 Argyle Avenue	360
KZM	Preston D. Allen	Oakland, Calif., Thirteenth and Harrison Streets	360
KZN	The Deseret News	Salt Lake City, Utah	360, 485
KZV	Wenatchee Battery & Motor Co.	Wenatchee, Wash.	360
KZY	Atlantic-Pacific Radio Supplies Co.	San Francisco, Calif., 646 Mission Street	360
W.			
WAAB	Valdemar Jensen	New Orleans, La., 137 S. St. Patrick St.	360
WAAC	Tulane University	New Orleans, La.	360
WAAD	Ohio Mechanics Institute	Cincinnati, Ohio	360
WAAE	St. Louis Chamber of Commerce	St. Louis, Mo.	360
WAAF	Chicago Daily Drovers Journal	Chicago, Ill.	360, 485
WAAG	Elliott Electric Co.	Shreveport, La., 341 Liatre Street	360
WAHH	Commonwealth Electric Co.	St. Paul, Minn., 182 East Sixth Street	360
WAAJ	Eastern Radio Institute	Boston, Mass., 899 Boylston Street	360
WAAK	Gimbel Bros.	Milwaukee, Wis.	360, 485
WAAL	Minnesota Tribune Co. & Anderson Beamish Co.	Minneapolis, Minn., 54 South Fourth Street	360
WAAM	I. R. Nelson Co.	Newark, N. J., Bond Street	360
WAAN	University of Missouri	Columbia, Mo.	360
WAAO	Radio Service Co.	Charlestown, W. Va., 1019 Quarrier Street	360
WAAP	Otto W. Taylor	Wichita, Kans., 441 North Roosevelt Avenue	360

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS (485 METERS) AND MUSIC, CONCERTS, LECTURES, ETC. (360 METERS), ALPHABETICALLY BY CALL LETTERS—**  
Continued.

Call signal.	Owner of station.	Location of station.	Wave lengths.
WAAQ	New England Motor Sales Co.	Greenwich, Conn., 22 West Putnam Avenue.	360
WAAR	Groves-Thorton Hardware Co.	Huntington, W. Va., 822 Fourth Avenue.	360
WAAS	Georgia Radio Co.	Decatur, Ga., 38 Peachtree Street.	360
WAAV	Athens Radio Co.	Athens, Ohio, Box 282.	360
WAAW	Omaha Grain Exchange	Omaha, Nebr.	360
WAAX	Radio Service Corp.	Crafton, Pa., 25 Haldane Street.	360
WAAY	Yahrling-Rayner Piano Co.	Youngstown, Ohio, 254 West Federal Street.	360
WAAZ	Hollister-Miller Motor Co.	Emporia, Kans., 14 East Sixth Avenue.	360
WAH	Midland Refining Co.	El Dorado, Kans., 300 South Main Street.	360, 485
WBAA	Purdue University	West Lafayette, Ind.	360
WBAB	Andrew J. Potter	Syracuse, N. Y., 213 Westminster Street.	360
WBAD	Sterling Electric Co. and Journal Printing Co.	Minneapolis, Minn., 31 South Fifth Street.	360
WBAE	Bradley Polytechnic Institute	Peoria, Ill.	360, 485
WBAF	Fred M. Middleton	Moorestown, N. J., 337 Chester Avenue.	360
WBAG	Diamond State Fibre Co.	Bridgeport, Pa., Ford Street.	360, 485
WBAH	The Dayton Co.	Minneapolis, Minn., Seventh Street and Nicollet Avenue.	360
WBAJ	Marshall-Gerken Co.	Toledo, Ohio, 27 Ontario Street.	360
WBAM	I. B. Rennison	New Orleans, La., 1452 Verna Street.	360
WBAN	Wireless Phone Corporation	Paterson, N. J., 193 Ellison Street.	360
WBAO	James Millikin University	Decatur, Ill.	360
WBAP	Wortham-Carter Publishing Co. (Star- Telegram).	Fort Worth, Tex., 400 West Seventh Street.	360, 485
WBAQ	Myron L. Harmon	South Bend, Ind., room 364, Y. M. C. A.	360
WBAU	Republican Publishing Co.	Hamilton, Ohio, Third and Market Streets.	360
WBAV	Ermer & Hopkins Co.	Columbus, Ohio, 146 North Third Street.	360
WBAW	Marietta College	Marietta, Ohio.	360
WBAX	John H. Stenger, Jr.	Wilkes-Barre, Pa., 66 Gildersleeve Street.	360
WBAY	American Telephone & Telegraph Co.	New York, N. Y., 24 Walker Street.	360
WBAZ	Times-Dispatch Publishing Co.	Richmond, Va.	360
WBL	T. & H. Radio Co.	Anthony, Kans., 401 South Anthony Street.	360
WBS	D. W. May (Inc.)	Newark, N. J., 178 Central Avenue.	360
WBT	Southern Radio Corp.	Charlotte, N. C., 905 Realty Building.	360, 485
WBU	City of Chicago	Chicago, Ill.	360
WBZ	Westinghouse Electric & Manufactur- ing Co.	Springfield, Mass.	360
WCAB	Newburgh News Printing & Publish- ing Co.	Newburgh, N. Y., 40 Grand Street.	360
WCAC	John Fink Jewelry Co.	Fort Smith, Ark., 701 Garrison Avenue.	360
WCAD	St. Lawrence University	Canton, N. Y.	360
WCAE	Kaufman & Baer Co.	Pittsburgh, Pa., Sixth and Smithfield Streets.	360
WCAG	Daily States Publishing Co.	New Orleans, La., 606 Canal Street.	360
WCAH	Entrekkin Electric Co.	Columbus, Ohio.	360
WCAJ	Nebraska Wesleyan University	University Place, Nebr.	360, 485
WCAK	Alfred P. Daniel	Houston, Tex., 2504 Bagby Street.	360
WCAL	St. Olaf College	Northfield, Minn.	360
WCAM	Villanova College	Villanova, Pa.	360
WCAN	Southeastern Radio Telephone Co.	Atlantic National Bank Building.	360
WCAO	Sanders & Stayman Co.	Baltimore, Md., 319 North Charles Street.	360
WCAP	Central Radio Service	Decatur, Ill., 211 Main Street.	360
WCAQ	Tri-State Radio Manufacturing & Sup- ply Co.	Defiance, Ohio, 309 Clinton Street.	360
WCAR	Alamo Radio Electric Co.	San Antonio, Tex., 608 West Evergreen Street.	360
WCAS	Wm. Hood Dunwoody Industrial In- stitute	Minneapolis, Minn., 818 Superior Boulevard.	360
WCAT	South Dakota School of Mines	Rapid City, S. Dak.	485
WCAY	Philadelphia Radiophone Co.	Philadelphia, Pa., 1936 Market Street.	360
WCAY	J. C. Dice Electric Co.	Little Rock, Ark., 113 West Capitol Avenue.	360
WCAY	Quincy Herald & Quincy Electric Supply Co.	Quincy, Ill.	360
WCAX	University of Vermont	Burlington, Vt.	360
WCAY	Kesselman O'Driscoll Co.	Milwaukee, Wis., 517 Grand Avenue.	360
WCAY	Robt. E. Compton & Quincy Whig- General	Quincy, Ill.	360
WCE	Findley Electric Co.	Minneapolis, Minn., 212 South Fifth Street.	360
WCJ	A. C. Gilbert Co.	New Haven, Conn., 493 Blatchley Avenue.	360
WCK	Stix-Baer-Fuller	St. Louis, Mo., Washington Street.	360, 485
WCM	University of Texas	Austin, Tex.	360, 485
WCN	Clark University	Worcester, Mass.	360, 485
WCX	Detroit Free Press	Detroit, Mich.	360, 485
WDAA	Ward-Belmont School	Nashville, Tenn., Belmont Heights.	360
WDAB	H. C. Summers & Son	Portsmouth, Ohio, 906 Gallia Street.	360
WDAC	Illinois Watch Co.	Springfield, Ill., Ninth and Grand Avenue.	485
WDAD	Wm. L. Harrison	Lindsborg, Kans., 122 East Lincoln Street.	360
WDAE	Tampa Daily Times	Tampa, Fla.	360, 485
WDAF	Kansas City Star	Kansas City, Mo.	360
WDAG	J. Leurance Martin	Amarillo, Tex., 805 East Fourth Street.	360
WDAH	Mine & Smelter Supply Co.	El Paso, Tex., 412 San Francisco Street.	360

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS (485 METERS) AND MUSIC,  
CONCERTS, LECTURES, ETC. (360 METERS), ALPHABETICALLY BY CALL LETTERS—  
Continued.**

Call signal.	Owner of station.	Location of station.	Wave lengths.
WDAL	Hughes Electrical Corp.	Syracuse, N. Y., 411 South Clinton Street	360
WDAM	Atlanta & West Point R. R. Co.	College Park, Ga.	360
WDAK	The Courant.	Hartford, Conn.	360
WDAL	Florida Times-Union.	Jacksonville, Fla.	360, 485
WDAN	Glenwood Radio Corp.	Shreveport, La., Centenary College	360
WDAO	Automotive Electric Co.	Dallas, Tex., Ervay & Corsicana Street	360
WDAP	Mid West Radio Central (Inc.).	Chicago, Ill., Wrigley Building	360
WDAQ	Hartman-Riker Electric & Machine Co.	Brownsville, Pa., 312 Market Street	360
WDAR	Lit Bros.	Philadelphia, Pa.	360
WDAS	Samuel A. Waite.	Worcester, Mass., 49 Benefit Street	360
WDAT	Delta Electric Co.	Worcester, Mass., 658 Main Street	360
WDAU	Slocum & Kilburn.	New Bedford, Mass., 23 North Water Street	360
WDAV	Muskogee Daily Phoenix.	Muskogee, Okla.	360
WDAW	Georgia Railway & Power Co.	Atlanta, Ga.	360, 485
WDAX	First National Bank.	Centerville, Iowa	360
WDAY	Kenneth M. Hance.	Fargo, N. Dak., 117 Broadway	360, 485
WDM	Church of the Covenant.	Washington, D. C., Eighteenth & N Sts. NW	360
WDT	Ship Owners Radio Service.	New York, N. Y., 80 Washington Street	360
WDV	John O. Yeiser, Jr.	Omaha, Nebr., 5022 Cass Street	360
WDY	Radio Corporation of America.	Roselle Park, N. J.	360
WDZ	James L. Bush.	Tuscola, Ill., Star Store Building	360
WEAA	Fallain & Lathrop.	Flint, Mich., 104 Walsh Building	360
WEAB	Standard Radio Equipment Co.	Fort Dodge, Iowa, 619 Carver Building	360
WEAC	Baines Electric Service Co.	Terre Haute, Ind., 24 South Eighth Street	360
WEAD	Northwest Kansas Radio Supply Co.	Atwood, Kans.	360
WEAE	Virginia Polytechnic Institute.	Blacksburg, Va.	360
WEAF	Western Electric Co.	New York, N. Y., 463 West Street	360
WEAG	Nichols-Hinaline-Bassett Laboratory.	Edgewood, R. I., 94 Armington Street	360
WEAH	Wichita Board of Trade & Lander Radio Co.	Wichita, Kans.	360, 485
WEAI	Cornell University.	Ithaca, N. Y.	360
WEAJ	University of South Dakota.	Vermilion, S. Dak.	360
WEAK	Julius B. Abercrombie.	St. Joseph, Mo., 819 North Twenty-third Street	360
WEAM	Borough of North Plainfield.	North Plainfield, N. J.	360
WEAN	Shepard Co.	Providence, R. I.	360
WEAO	Ohio State University.	Columbus, Ohio.	360, 485
WEAP	Mobile Radio Co.	Mobile Ala., O'Gwin Building	360
WEAQ	Young Men's Christian Association.	Berlin, N. H.	360
WEAR	Baltimore American & News Publishing Co.	Baltimore, Md., Munsey Building	360
WEAS	Hecht Co.	Washington, D. C., Seventh and F Sts. NW	360
WEAT	John J. Fogarty.	Tampa, Fla., 707 Azelee St.	360
WEAU	Davidson Bros. Co.	Sioux City, Iowa	360
WEAV	Sheridan Electric Service Co.	Rushville, Nebr.	360
WEAW	Arrow Radio Laboratories.	Anderson, Ind., Box 140.	360
WEAX	T. J. M. Daly.	Little Rock, Ark., P. O. Box 614.	360, 485
WEAY	Will Horwitz, Jr.	Houston, Tex., 612 Travis Street	360
WEAZ	Donald Redmond.	Waterloo, Iowa, 1120 Bertech Avenue	360
WEB	Benwood Co.	St. Louis Mo., 1110 Olive Street	360
WEH	Midland Refining Co.	Tulsa, Okla., 300 S. Main St., Eldorado, Kas.	360, 485
WEV	Hurlbut-Still Electrical Co.	Houston, Tex., McKinney Avenue and San Jacinto Street	360, 485
WEW	St. Louis University.	St. Louis, Mo.	360, 485
WEY	Cosradio Co.	Wichita, Kans., 1725 Fairmont Avenue	360, 485
WFAA	A. H. Belo & Co.	Dallas, Tex.	360, 485
WFAB	Carl F. Woese.	Syracuse, N. Y., 802 McBride St.	360
WFAC	Superior Radio Co.	Superior, Wis., 2326 John Avenue	360
WFAD	Watson-Weldon Motor Supply Co.	Salina, Kans., 217 North Santa Fe Street	360
WFAF	H. C. Spratley Co.	Poughkeepsie, N. Y., 357 Main Street	360
WFAG	Radio Engineering Laboratory.	Waterford, N. Y., Sixth and Broad Streets	360
WFAH	Electric Supply Co.	Port Arthur, Tex., 637 Proctor Street	360
WF AJ	Hi-Grade Wireless Instrument Co.	Asheville, N. C., 47 Zillicoa Street	360
WF AK	Domestic Electric Co.	Brentwood, Mo., 908 Pine Street	360
WF AL	Houston Chronicle Publishing Co.	Houston, Tex.	360, 485
WF AM	Times Publishing Co.	St. Cloud, Minn.	360
WF AN	Hutchinson Electric Service Co.	Hutchinson, Minn.	360, 485
WF AP	Brown's Business College.	Peoria, Ill.	360
WF AQ	Missouri Wesleyan College & Cameron Radio Co.	Cameron, Mo.	360
WF AR	Hall & Stubbs.	Sanford, Me., 1 Bennett Street	360
WF AS	United Radio Corporation.	Fort Wayne, Ind., 107 East Main Street	360
WF AT	Daily Argus-Leader.	Sioux Falls, S. Dak., 109 North Main Avenue	360
WF AU	Edwin C. Lewis.	Boston, Mass., 121 Federal Street	360
WF AV	University of Nebraska, department of electrical engineering.	Lincoln, Nebr.	360, 485
WF AW	Miami Daily Metropolis.	Miami, Fla.	360
WF AX	Arthur L. Kent.	Binghamton, N. Y., 199 Court Street	360
WFAY	Daniels Radio Supply Co.	Independence, Kans.	360
WF AZ	South Carolina Radio Shop.	Charleston, S. C.	360

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS (485 METERS) AND MUSIC,  
CONCERTS, LECTURES, ETC. (360 METERS), ALPHABETICALLY BY CALL LETTERS—  
Continued.**

Call signal.	Owner of station.	Location of station.	Wave lengths.
WFI	Strawbridge & Clothier.....	Philadelphia, Pa., Eighth and Market Streets.	360
WFO	Rike-Kumler Co.....	Dayton, Ohio, Main and Second Streets.....	360, 485
WGAB	Q R V Radio Co.....	Houston, Tex., 1213 Prairie Avenue.....	360
WGAC	Orpheum Radio Stores Co.....	Brooklyn, N. Y., 637 Fulton Street.....	360
WGAD	Spanish-American School of Radiotelegraphy.....	Ensenada, P. R.....	360
WGAF	Goller Radio Service.....	Tulsa, Okla., 20 East Eleventh Street.....	360
WGAH	New Haven Electric Co.....	New Haven, Conn., 296 Elm Street.....	360
WGAJ	W. H. Gass.....	Shenandoah, Iowa, 413 Seventh Avenue.....	360
WGAK	Macon Electric Co.....	Macon, Ga.....	360
WGAL	Lancaster Electric Supply & Construction Co.....	Lancaster, Pa., 23 East Orange Street.....	360
WGAM	Orangeburg Radio Equipment Co.....	Orangeburg, S. C.....	360
WGAN	Cecil E. Lloyd.....	Pensacola, Fla., 216 West Romana Street.....	360
WGAQ	W. G. Patterson (Glenwood Radio Corp.).....	Shreveport, La.....	360
WGAR	Southwest American.....	Fort Smith, Ark., 507 Rogers Avenue.....	360
WGAS	Ray-Di-Co Organization.....	Chicago, Ill., 1547 North Wells Street.....	360
WGAT	American Legion, Department of Nebraska.....	Lincoln, Nebr., 314 Richards Block.....	360
WGAU	Marcus G. Limb.....	Wooster, Ohio, 235 East Liberty Street.....	360
WGAV	B-H Radio Co.....	Savannah, Ga., 204 West Broughton Street.....	360
WGAW	Ernest C. Albright.....	Altoona, Pa., 1918 West Chestnut Street.....	360
WGAY	North Western Radio Co.....	Madison, Wis., 250 State Street.....	360
WGAZ	South Bend Tribune.....	South Bend, Ind.....	360
WGCF	The Register & Tribune.....	Des Moines, Iowa.....	360
WGI	American Radio Research Corp.....	Medford Hillside, Mass.....	360, 485
WGL	Thomas F. J. Howlett.....	Philadelphia, Pa., 2303 North Broad Street.....	360
WGR	Federal Telephone & Telegraph Co.....	Buffalo, N. Y., 1738 Elmwood Avenue.....	360, 485
WGU	The Fair.....	Chicago, Ill.....	360
WGV	Interstate Electric Co.....	New Orleans, La., 356 Barrone Street.....	360
WGY	General Electric Co.....	Schenectady, N. Y.....	360, 485
WHA	University of Wisconsin.....	Madison, Wis.....	360, 485
WHAAS	State University of Iowa.....	Iowa City, Iowa.....	360
WHAB	Clark W. Thompson (Fellman's Dry Goods Co.).....	Galveston, Tex.....	360, 485
WHAC	Cole Bros. Electric Co.....	Waterloo, Iowa.....	360
WHAD	Marquette University.....	Milwaukee, Wis.....	360
WHAE	Automotive Electric Service Co.....	Sioux City, Iowa.....	360
WHAFF	Radio Electric Co.....	Pittsburgh, Pa.....	360
WHB	Sweeney School Co.....	Kansas City, Mo., Sweeney Building.....	360, 485
WHD	West Virginia University.....	Morgantown, W. Va.....	360
WHK	Warren R. Cox.....	Cleveland, Ohio, 1965 East Sixty-sixth Street.....	360
WHN	Ridgewood Times Printing & Publishing Co.....	Ridgewood, N. Y., Chamber of Commerce Building.....	360
WHQ	Rochester Times Union.....	Rochester, N. Y.....	360, 485
WHU	Wm. B. Duck Co.....	Toledo, Ohio, 224 Superior Street.....	360
WHW	Stuart W. Seeley.....	East Lansing, Mich., local office U. S. Weather Bureau.....	485
WIK	K. & L. Electric Co.....	McKeesport, Pa., 427 Olive Street.....	360
WIL	Continental Electrical Supply Co.....	Washington, D. C., 808 Ninth Street NW.....	360
WIP	Gimbel Bros.....	Philadelphia, Pa., Ninth and Market Streets.....	360
WIZ	Cino Radio Manufacturing Co.....	Cincinnati, Ohio, 218 West Twelfth Street.....	360, 485
WJD	Richard H. Howe.....	Granville, Ohio.....	360
WJH	White & Boyer Co.....	Washington, D. C., 812 Thirteenth Street NW.....	360
WJK	Service Radio Equipment Co.....	Toledo, Ohio, 225 Superior Street.....	360
WJT	Electric Equipment Co.....	Erie, Pa., 703 State Street.....	360
WJX	De Forest Radio Telephone & Telegraph Co.....	New York, N. Y., 1391 Sedgwick Avenue.....	360
WJZ	Westinghouse Electric & Manufacturing Co.....	Newark, N. J., 95 Orange Street.....	360
WKC	Joseph M. Zamoiski Co.....	Baltimore, Md., 2527 Madison Avenue.....	360
WKN	Riechman-Crosby Co.....	Memphis, Tenn., 223 South Front Street.....	360, 485
WKY	Oklahoma Radio Shop.....	Oklahoma City, Okla., 1911 West Ash Street.....	360, 485
WLB	University of Minnesota.....	Minneapolis, Minn.....	360, 485
WLK	Hamilton Manufacturing Co.....	Indianapolis, Ind., 75 N. New Jersey Street.....	360, 485
WLW	Crosley Manufacturing Co.....	Cincinnati, Ohio, B. & O. R. R. and Blue Rock Street.....	360, 485
WMB	Auburn Electrical Co.....	Auburn, Me., 57 Court Street.....	360
WMC	Columbia Radio Co.....	Youngstown, Ohio, South Avenue and Indiana Street.....	360
WMH	Precision Equipment Co.....	Cincinnati, Ohio, 2437 Gilbert Avenue.....	360, 485
WMU	Doubleday-Hill Electric Co.....	Washington, D. C., 715 Twelfth Street NW.....	360
WNJ	Shotton Radio Manufacturing Co.....	Albany, N. Y., 8 Market Street.....	360
WNO	Wireless Telephone Co. of Hudson County, N. J.....	Jersey City, N. J., 997 Bergen Avenue.....	360
WOC	Palmer School of Chiropractic.....	Davenport, Iowa, 1002 Brady Street.....	360, 485
WOE	Buckeye Radio Service Co.....	Akron, Ohio, 569 South Main Street.....	360

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS (485 METERS) AND MUSIC,  
CONCERTS, LECTURES, ETC. (360 METERS), ALPHABETICALLY BY CALL LETTERS—  
Continued.**

Call signal.	Owner of station.	Location of station.	Wave lengths.
WOH	Hatfield Electric Co.	Indianapolis, Ind., 531 North Meridian Street.	360
WOI	Iowa State College	Ames, Iowa	360, 485
WOK	Pine Bluff Co.	Pine Bluff, Ark.	360
WOO	John Wanamaker	Philadelphia, Pa., Thirteenth and Market Streets.	360
WOQ	Western Radio Co.	Kansas City, Mo.	360, 485
WOR	L. Bamberger & Co.	Newark, N. J., 131 Market Street.	360
WOS	Missouri State Marketing Bureau	Jefferson City, Mo.	485
WOU	Metropolitan Utilities District	Omaha, Nebr., 1802 and 3405 Farnam Street.	360, 485
WOZ	Palladium Printing Co.	Richmond, Ind.	360, 485
WPA	Fort Worth Record	Fort Worth, Tex., Fifth and Throckmorton Streets.	360, 485
WPE	Central Radio Co.	Kansas City, Mo., 575 Grand Avenue.	360
WPG	Nushawg Poultry Farm	New Lebanon, Ohio, R. R. No. 2.	360
WPI	Electric Supply Co.	Clearfield, Pa., 123 Market Street.	360
WPJ	St. Joseph's College	Philadelphia, Pa., Eighteenth and Thompson Streets.	360
WPL	Fergus Electric Co.	Zanesville, Ohio, 524 Main Street.	360
WPM	Thomas J. Williams	Washington, D. C., 1324 New York Avenue N.W.	360
WPO	United Equipment Co.	Memphis, Tenn., 600 Monroe Avenue.	360
WRK	Doron Bros. Electric Co.	Hamilton, Ohio, 329 North C Street.	360
WRL	Union College	Schenectady, N. Y.	360
WRM	University of Illinois	Urbana, Ill.	360
WRP	Federal Institute of Radio Telegraphy	Camden, N. J., Second and Federal Streets.	360
WRR	City of Dallas, Police and Fire Signal Department.	Dallas, Tex.	360, 485
WRW	Tarrytown Radio Research Laboratory.	Tarrytown, N. Y., 21 North Broadway.	360
WSB	Atlanta Journal	Atlanta, Ga.	360, 485
WSL	J. & M. Electric Co.	Utica, N. Y., 26 Bank Place.	360
WSN	Ship Owners Radio Service	Norfolk, Va., 519 Granby Street.	360
WSV	L. M. Hunter and G. L. Carrington	Little Rock, Ark., 2420 Izard Street.	360
WSX	Erie Radio Co.	Erie, Pa., 117 West Ninth Street.	360
WSY	Alabama Power Co.	Birmingham, Ala., Brown-Marx Building.	360
WTG	Kansas State Agricultural College	Manhattan, Kans.	485
WTK	Paris Radio Electric Co.	Paris, Tex., 42 South Main Street.	360
WTP	George M. McBride	Bay City, Mich., 611 Midland Street.	360
WWB	Daily News Printing Co.	Canton, Ohio, 402 Second Street N.W.	360
WWI	Ford Motor Co.	Dearborn, Mich.	360
WWJ	Detroit News	Detroit, Mich.	360, 485
WWL	Loyola University	New Orleans, La.	360
WWT	McCarthy Bros. & Ford	Buffalo, N. Y., 75 West Mohawk Street.	360
WWZ	John Wanamaker	New York, N. Y., Eighth Street and Broadway.	360

# GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This table includes all Government land radio stations of the United States. Wave lengths in italic (in this table only) are used for "listening in."]

Station.	Call signal.	Wave lengths.	Serv-ice <sub>x</sub>	Hours.	Station controlled by—
Akutan, Alaska.....	KTK	.....	O	X	Bureau of Education, Department of the Interior.
Alpena, Mich.....	NSM	<i>600, 1200</i>	PG	N	U. S. Navy.
Amagansett, N. Y. (regular station).....	NBM	<i>600, 975, 1851</i>	O	N	Do.
Amagansett, N. Y.....	NBM	800	PG	N	Do.
Ambrose Channel Light Vessel (L. V. No. 97).....	NALS	<i>300, 378, 476, 600, 756, 952</i>	O	X	Do.
Anacostia, D. C. (naval laboratory).....	NOF	Variable.....	O	X	Do.
Anacostia, D. C.....	NSF	507.....	O	N	Do.
Annapolis, Md. (Naval Academy).....	NAK	1620.....	PG	N	Do.
Annapolis, Md.....	NSS	<i>7900, 9800, 10110, 10510, 17145</i>	O	N	Do.
Annapolis, Md. (naval laboratory).....	NZO	Variable.....	O	X	Do.
Astoria, Oreg.....	NUZ	<i>4525, 5000</i>	O	N	Do.
Atka Island, Alaska.....	WJI	900.....	O	* <sup>(1)</sup>	Bureau of Education, Department of Interior.
Balboa, Canal Zone.....	NBA	<i>600, 975, 2250, 2400, 3950, 9800, 10110, 10510, 17145</i>	PG	N	U. S. Navy.
Baltimore, Md.....	NBZ	600, 700.....	PG	(*)	Do.
Bar Harbor, Me.....	NBD	800.....	RC	N	Do.
Bar Harbor, Me. (Otter Cliffs).....	NBD	<i>600, 975, 2400, 2750, 3700, 3950</i>	PG	N	Do.
Bellefonte, Pa.....	WWQ	3450, 3800.....	O	(*)	Post Office Department.
Bethany Beach, Del.....	NSD	800.....	RC	N	U. S. Navy.
Bird Island, Calif.....	NLD	800.....	RC	N	Do.
Blunts Reef Light Vessel (L. V. No. 83).....	NACT	<i>300, 600, 756, 952</i>	O	X	Do.
Boston Light Vessel (L. V. No. 54).....	NADX	<i>300, 378, 476, 600, 756, 952</i>	O	X	Do.
Boston, Mass.....	NAD	<i>600, 975, 1620, 3950, 5000</i>	O	N	Do.
Boston, Mass.....	WVO	.....	O	X	U. S. Army.
Brenton Reef Light Vessel (L. V. No. 39).....	NASB	<i>300, 378, 476, 600, 756, 952, 1200</i>	O	X	U. S. Navy.
Brunswick Light Vessel (L. V. No. 84).....	NABX	<i>300, 600, 952</i>	O	X	Do.
Bryan, Ohio.....	KDEL	.....	O	X	Post Office Department
Buffalo, N. Y.....	NNZ	<i>600, 1200</i>	PG	N	U. S. Navy.
Camp Alfred Vail, N. J.....	WUBA	.....	O	X	U. S. Army.
Camp John Hay, P. I.....	WUCB	.....	O	X	Do.
Camp Knox, Ky.....	WUBC	.....	O	X	Do.
Camp Marfa, Tex.....	WUG	<i>1350, 1700, 2100, 2700, 3100, 3850</i>	O	X	Do.
Camp Stotsenburg, P. I.....	WUCA	.....	O	X	Do.
Cape Charles Light Vessel (L. V. No. 101).....	NAJV	<i>300, 378, 476, 600, 756, 952</i>	O	X	U. S. Navy.
Cape Elizabeth, Me.....	NAB	800.....	RC	N	Do.
Cape Hatteras, N. C. (regular station).....	NDW	<i>600, 975, 1620</i>	PG	N	Do.
Cape Hatteras, N. C.....	NDW	800.....	RC	N	Do.
Cape Henlopen, Del.....	NSD	800.....	RC	N	Do.
Cape Hinchinbrook, Alaska.....	NRM	800.....	RC	N	Do.
Cape Lookout, N. C.....	NAN	800.....	RC	N	Do.
Cape Lookout Shoals Light Vessel (L. V. No. 80).....	NABV	<i>300, 378, 476, 600, 756, 952</i>	O	X	Do.
Cape Mala, Panama.....	NNT	<i>600, 1908</i>	PG	N	Do.
Cape May, N. J.....	NSD	800.....	RC	N	Do.
Cape May, N. J. (regular station).....	NSD	<i>600, 975, 1688</i>	O	N	Do.
Cattle Point, Wash.....	NFN	800.....	RC	(*)	Do.
Cavite, P. I.....	NPO	<i>600, 975, 2400, 2700, 3950, 5200, 9145, 11500, 13900</i>	PG	N	Do.
Cayey, P. R. (El Cayey).....	NZR	<i>9145, 10110, 10510</i>	O	N	Do.

\* See footnotes to this table on p. 84.

## 80 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Charleston Light Vessel (L. V. No. 34).	NAZJ	300, 378, 476, 600, 756, 952	O	X	U. S. Navy.
Charleston, S. C.	NAO	365, 600, 975, 2250, 2400, 3550, 4800	PG	N	Do.
Chatham, Mass.	NXA	800	RC	X	Do.
Chatham, Mass. (regular station)	NXA	600, 975, 1870	O	N	Do.
Cheyenne, Wyo.	KDEG	2900, 3800	O	(*)	Post Office Department.
Chicago, Ill.	KDQA	2250, 2400,	O	X	Do.
Chicago, Ill.	NUR	600, 700	PG	N	U. S. Navy.
Chicago, Ill.	WVT	800	O	N	U. S. Army.
Cincinnati, Ohio	KDQC	3600, 3800	O	(10)	Post Office Department.
Circle, Alaska	WVA	1350	PG	(?)	U. S. Army. <sup>10</sup>
Cleveland, Ohio	NRH	600, 1080, 2400 3800, 4250	PG	N	U. S. Navy.
Cleveland, Ohio	WWO	800	O	X	Post Office Department.
Coco Solo, C. Z.	NNL	607, 2750	O	N	U. S. Navy.
Colon, C. Z.	NAX	600, 975, 2750	PG	N	Do.
Columbia River Light Vessel (L. V. No. 88).	NAJT	300, 600	PG	X	Do.
Cordova, Alaska	NPA	600, 975, 2400, 2700, 3550, 5950, 7100, 7500	PG	N	Do.
Cornfield Point Light Vessel (L. V. No. 48).	NASC	300, 378, 476, 600, 756, 952	O	X	Do.
Craig, Alaska	WXO	600	PR	(?)	U. S. Army. <sup>10</sup>
Cross Rip Light Vessel (L. V. No. 20).	NAQB	300, 378, 476, 600, 756, 952	O	X	U. S. Navy.
Deer Island, Mass.	NAD	800	RC	N	Do.
Detour Point, Mich.	NZU	800	RC	N	Do.
Detroit, Mich.	NRQ	600, 975	PG	N	Do.
Diamond Shoals Light Vessel (L. V. No. 72).	NITQ	300, 600	PG	X	Do.
Duluth, Minn.	NUX	600, 1200	PG	N	Do.
Dutch Harbor, Alaska	NPR	600, 975, 2250	PG	N	Do.
Eagle Harbor, Mich.	NUG	600, 700	PG	N	Do.
Elko, Nevada	KDEJ	2200, 3400	O	(*)	Post Office Department.
Empire, Oreg.	NPF	800	RC	N	U. S. Navy.
Eureka, Calif.	NPW	800	RC	N	Do.
Eureka, Calif. (regular station)	NPW	600, 975, 2400 2650, 3550	PG	N	Do.
Fairbanks, Alaska	WVB	1500	PG	(?)	U. S. Army. <sup>10</sup>
Farrallon Island, Calif.	NPI	800	RC	N	U. S. Navy.
Fenwick Island Shoal Light Vessel (L. V. No. 52).	NAJS	300, 378, 476, 600, 756, 952	O	X	Do.
Fire Island Light Vessel (L. V. No. 68).	NLS	300, 378, 476, 600, 756, 952, 1200	O	X	Do.
Five Fathom Bank Light Vessel (L. V. No. 79).	NADV	300, 600, 952	O	X	Do.
Folly Island, S. C.	NZV	800	RC	N	Do.
Fort Adams, R. I.	WUU	Variable	O	X	U. S. Army.
Fort Andrews, Mass.	WUA	1100	O	X	Do.
Fort Barrancas, Fla.	WZD	600, 800, 1000, 1150, 1230	O	X	Do.
Fort Benjamin Harrison, Ind.	WVS	3100, 6000, 7000, 8000, 10000	O	X	Do.
Fort Bliss, Tex.	WZO	3100, 6000, 7000, 8000, 10000	O	N	Do.
Fort Brown, Brownsville, Tex.	WUZ	1350, 1700, 2100, 2700, 3100, 4700, 6300, 7000	O	N	Do.
Fort Casey, Wash.	WZJ	500	O	X	Do.
Fort Caswell, N. C.	WUT	825	O	X	Do.
Fort Constitution, N. H.	WZE	300, 400, 500, 600, 700, 800, 900, 1000	O	(*)	Do.
Fort Crockett, Tex.	WUX	600, 900	O	X	Do.
Fort Dade, Fla.	WZK	825	O	X	Do.
Fort D. A. Russel, Wyo.	WVW	-----	O	N	Do.
Fort Douglas, Utah	WVX	-----	O	N	Do.
Fort Drum, P. I.	WUAL	430	O	X	Do.
Fort Du Pont, Del.	WZN	-----	O	X	Do.
Fort Egbert, Alaska	WVC	1500	PG	(*)	Do. <sup>10</sup>

## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv.- ice.	Hours.	Station controlled by—
Fort Frank, P. I.....	WVL		O	X	U. S. Army.
Fort Gibbon, Alaska.....	WVD	2000.....	PG	(?)	Do.
Fort Hancock, N. J.....	WUB	1200.....	O	X	Do.
Fort H. G. Wright, N. Y.....	WUC	600.....	O	X	Do.
Fort Howard, Md.....	WVQ		O	X	Do.
Fort Huachuca, Ariz.....	WZP	2300, 2750.....	O	N	Do.
Fort Leveett, Me.....	WUE	300, 1300.....	O	X	Do.
Fort McPherson, Ga.....	WVR		O	N	Do.
Fort Mills, P. I.....	WVN	300, 600, 825, 1200.....	O	N	Do.
Fort Monroe, Va.....	WUF	400, 600, 825, 1100.....	O	X	Do.
Fort Morgan, Ala.....	WUR	600, 1200.....	O	X	Do.
Fort Moultrie, S. C.....	WZF	600, 825.....	O	X	Do.
Fort Omaha, Nebr.....	WVU		O	N	Do.
Fort Riley, Kans.....	WUI	1200.....	O	X	Do.
Fort Rosecrans, Calif.....	WUS	300, 575.....	O	X	Do.
Fort Sam Houston, Tex.....	WUJ	3100, 4700, 6300, 7500, 9500.....	O	N	Do.
Fort San Jacinto, Tex.....	WUY	300, 1200.....	O	X	Do.
Fort Screven, Ga.....	WZA	825.....	O	X	Do.
Fort Sill, Okla.....	WUBD		O	X	Do.
Fort Stevens, Oreg.....	NPE	800.....	RC	N	U. S. Navy.
Fort Stevens, Oreg.....	WUK	1100.....	O	X	U. S. Army.
Fort St. Michael, Alaska.....	WVE	600, 1000.....	PG	N	Do. <sup>10</sup>
Fort Storey, Va.....	WXZ	360, 525, 825, 1100.....	O	X	Do.
Fort Terry, N. Y.....	WUW	Variable.....	O	X	Do.
Fort Totten, N. Y.....	WUL	600, 800, 1100, 1200.....	O	N	Do.
Fort Travis, Tex.....	WXP	600, 900.....	O	X	Do.
Fort Washington, Md.....	WXG	825, 1200.....	O	X	Do.
Fort Whitman, Wash.....	WZC	400, 1100.....	O	X	Do.
Fort Winfield Scott, Calif.....	WUO	1100.....	O	X	Do.
Fort Wint, P. I.....	WUAK	1200.....	O	X	Do.
Fort Worden, Wash.....	WUN	1200.....	O	X	Do.
Fort Yukon, Alaska.....	WXX	600.....	PG	(?)	Do. <sup>10</sup>
Fourth Cliff, Mass.....	NAD	800.....	RC	N	U. S. Navy.
Frying Pan Shoals Light Vessel (L. V. No. 94). Galveston, Tex.....	NLC	300, 600.....	O	X	Do.
Gloucester, Mass.....	NKB	600, 975, 1813.....	PG	N	Do.
Governors Island, N. Y.....	NAD	800.....	RC	N	Do.
Grand Island, La.....	WVP		O	N	U. S. Army.
Grand Marias, Mich.....	NLI	800.....	RC	N	U. S. Navy.
Great Lakes, Ill.....	NZT	800.....	RC	N	Do.
	NAJ	600, 1988, 5800, 3950, 4900.....	PG	N	Do.
Great Round Shoals Light Vessel (L. V. No. 66). Guam, Guam Island.....	NABJ	300, 600.....	PG	X	Do.
	NPN	600, 975, 2250, 2400, 3850, 5950, 9145, 11500, 13900.....	PG	N	Do.
Guantanamo, Cuba.....	NAW	150, 600, 975, 1870, 2400, 3850, 4525.....	PG	N	Do.
Handkerchief Light Vessel (L. V. No. 3). Heald Bank Light Vessel (L. V. No. 81). Hedge Fence Light Vessel (L. V. No. 9). Heeia Point, Hawaii. (See Honolulu, Hawaii.) Hempstead, N. Y.....	NAQS	300, 378, 476, 600, 756, 952.....	O	X	Do.
Hen and Chickens Light Vessel (L. V. No. 42). Hog Island, Va.....	NLP	300, 378, 476, 600, 756, 952.....	O	X	Do.
Holy Cross, Alaska.....	NATD	300, 600.....	PG	N	Do.
Honolulu, Hawaii (Pearl Harbor).....	WWU		O	X	Post Office Department.
Honolulu, Hawaii (Heeia Point).....	NAPP	300, 378, 476, 600, 756, 952.....	O	X	U. S. Navy.
Honolulu, Hawaii (Heeia Point).....	NCZ	800.....	RC	N	Do.
Holy Cross, Alaska.....	WVK	600.....	PG	(?)	U. S. Army. <sup>10</sup>
Honolulu, Hawaii (Pearl Harbor).....	NPM	600, 975, 2250, 600, 2650, 9145, 9800, 11500.....	O	N	U. S. Navy.
Honolulu, Hawaii (Heeia Point).....	NPM	600, 975, 2250, 2400, 2650, 3850, 4800, 7900, 8875.....	O	N	Do.

## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Iditarod, Alaska.....	WXL	300, 500, 600, 1650	PG	(11)	U. S. Army.
Imperial Beach, Calif.....	NPL	800.....	RC	N	U. S. Navy.
Indian Head, Md.....	NBG	365.....	O	N	Do.
Iowa City, Iowa.....	KDTS	.....	O	X	Post Office Department.
Jefferson Barracks, Mo.....	WWV	.....	O	X	U. S. Army.
Juneau, Alaska.....	NVD	600, 975, 2250.	PG	N	U. S. Navy.
Jupiter, Fla.....	NAQ	600, 975, 1688.	PG	N	Do.
Ketchikan, Alaska.....	NVH	600, 975, 1870, 2400, 4525, 5000	PG	N	Do.
Key West, Fla. (regular station).....	NAR	600, 975, 1988, 2400, 3950, 5700	PG	N	Do.
Key West, Fla.....	NAR	800.....	RC	N	Do.
Kodiak, Alaska.....	NPS	600, 975, 1688.	PG	N	Do.
Kotlik, Alaska.....	WVF	600, 800.....	PG	(?)	U. S. Army. <sup>10</sup>
Lakehurst, N. J.....	NEL	507.....	O	N	U. S. Navy.
La Palma, Panama.....	NNW	600, 1815.....	PG	N	Do.
Laredo, Tex.....	WUH	1350, 1665, 1975, 2275, 2550, 3050	O	N	U. S. Army.
Livengood, Alaska.....	WUV	300, 600.....	PG	(12)	Do.
Mackinac Island, Mich.....	NUD	600, 975.....	PG	N	U. S. Navy.
Managua, Nicaragua.....	NAZ	600, 975, 1832.	O	N	Do.
Manila, P. I.....	WUAJ	600.....	O	X	U. S. Army.
Manistique, Mich.....	NUB	600, 1080.....	PG	N	U. S. Navy.
Mantoloking, N. J.....	NAH	800.....	RC	N	Do.
Marshfield, Oreg.....	NPF	600, 975, 1948.	O	N	Do.
Martins Industry Light Vessel (L. V. No. 1). .	NART	300, 378, 476, 600, 756, 952	O	X	Do.
McGrath, Alaska.....	WXV	600, 1100.....	PG	X	U. S. Army.
Memphis, Tenn.....	WYDB	600, 750, 952, 1200, 1500, 1900	O	(9)	Inland and Coastwise Waterways Service.
Miami, Fla.....	NGE	600, 975, 1620.	PG	N	U. S. Navy.
Milwaukee, Wis.....	NUK	600, 975.....	PG	N	Do.
Minneapolis, Minn.....	KDPB	.....	O	X	Post Office Department.
Mobile, Ala.....	NGT	600, 975, 1654.	PG	N	U. S. Navy.
Morehead City, N. C.....	NAN	600, 975, 1654.	PG	N	Do.
Nantucket Shoals Light Vessel (L. V. No. 85). .	NLA	600.....	O	N	Do.
Naval Academy, Md. (See Annapolis, Md.)	NKC	365.....	PG	N	Do.
Navassa Island, W. I.....	NFT	800.....	RC	(4)	Do.
New Dungeness, Wash.....	NAT	600, 975, 1832, 2400, 3950, 4650	O	N	Do.
New Orleans, La.....	WYDC	600, 1832.....	O	N	Inland and Coastwise Waterways Service.
Newport, R. I.....	NAF	150, 600, 975, 1908	O	N	U. S. Navy.
New York, N. Y.....	NAH	150, 600, 975, 1532, 2400	O	N	Do.
Nome, Alaska.....	WWG	600, 2000, 2500, 3000	PG	(?)	U. S. Army. <sup>10</sup>
Noorvik, Alaska.....	WVM	1400.....	PR	N	Do. <sup>10</sup>
Norfolk, Va.....	NAM	150, 600, 975, 1851, 2400, 3950, 5450	PG	N	U. S. Navy.
Northeast End Light Vessel (L. V. No. 44). .	NARS	300, 600, 952..	O	X	Do.
North Head, Wash.....	NPE	600, 975, 2700.	PG	N	Do.
North Island, S. C.....	NZW	800.....	RC	N	Do.
North Platte, Nebr.....	KDHM	2900, 3400....	O	(6)	Post Office Department.
North Truro, Mass.....	NAE	800.....	RC	N	U. S. Navy.
Nulato, Alaska.....	WVH	1400.....	PG	(7)	U. S. Army. <sup>10</sup>
Ocean Park, Wash.....	NPE	800.....	RC	N	U. S. Navy.
Olongapo, P. I.....	NPT	600, 975, 1908.	PG	N	Do.
Omaha, Nebr.....	KDEF	1050, 2900....	O	(6)	Post Office Department.
Overfalls Light Vessel (L. V. No. 69). .	NAKT	300, 378, 476, 600, 756, 952	O	X	U. S. Navy.
Parris Island, S. C.....	NAV	365, 600.....	PG	N	Do.
Pearl Harbor, Hawaii. (See Honolulu, Hawaii.)	NPP	975, 1908, 3950, 4525	O	N	Do.

GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Pensacola, Fla.....	NAS	507, 600, 975, 2250	PG	N	U. S. Navy.
Philadelphia, Pa.....	NAI	600, 975, 1948	O	N	Do.
Point Arguello, Calif.....	NPK	800.....	RC	N	Do.
Point Fermin, Calif.....	NPX	800.....	RC	N	Do.
Point Hueneme, Calif.....	NMD	800.....	RC	N	Do.
Point Isabel, Tex.....	NAY	600, 975, 2250, 2400, 3950, 5000	PG	N	Do.
Point Loma, Calif.....	NPL	800.....	RC	N	Do.
Point Montara, Calif.....	NLH	800.....	RC	N	Do.
Point Reyes, Calif.....	NLG	800.....	RC	N	Do.
Pollock Rip Light Vessel (L. V. No. 47)	NANS	300, 378, 476, 600, 756, 952	O	X	Do.
Pollock Rip Slue Light Vessel (L. V. No. 73)	NAFT	300, 378, 476, 600, 756, 952	PG	X	Do.
Port Angeles, Calif.....	NFT	800.....	RC	N	Do.
Port Arthur, Tex.....	NJY	600, 975, 1620	PG	N	Do.
Port Au Prince, Haiti.....	NSC	600, 975, 2250, 2400, 3825, 3950	PG	N	Do.
Port Eads, La.....	WZH	600, 1100.....	O	N	U. S. Army.
Portland, Me.....	NAB	600, 1620.....	O	N	U. S. Navy.
Portland Light Vessel (L. V. No. 74)	NAMS	300, 378, 476, 600, 756, 952	O	X	Do.
Portsmouth, N. H.....	NAC	600, 975, 1813	O	N	Do.
Poyner's Hill, N. C.....	NCZ	800.....	RC	N	Do.
Prices Neck, R. I.....	NAF	800.....	RC	N	Do.
Puerto Obaldia, Panama.....	NRK	600, 1988.....	PG	N	Do.
Puget Sound, Wash.....	NPC	600, 975, 1988, 3960, 5450, 7100, 7500, 7900	PG	N	Do.
Quantico, Va.....	NFV	507, 600.....	O	N	Do.
Ram Island Reef Light Vessel (L. V. No. 23)	NARX	300, 600.....	PG	N	Do.
Relief Light Vessel No. 4.....	NAZV	300, 378, 476, 600, 756, 952	O	X	Do.
Relief Light Vessel No. 16.....	NASK	300, 600, 952.....	O	X	Do.
Relief Light Vessel No. 49.....	NESC	300, 378, 476, 600, 756, 952	O	X	Do.
Relief Light Vessel No. 53.....	NAJC	300, 600.....	O	X	Do.
Relief Light Vessel No. 78.....	NITR	300, 378, 476, 600, 756, 952	O	X	Do.
Relief Light Vessel No. 86.....	NAJJ	300, 600, 952.....	O	X	Do.
Relief Light Vessel No. 90.....	NITS	300, 378, 476, 600, 756, 952	O	X	Do.
Reno, Nev.....	KDEK	2200, 2800.....	O	(18)	Post Office Department.
Rock Springs, Wyo.....	KDHN	2900, 3200.....	O	(18)	Do.
Salt Lake City, Utah.....	KDEH	2200, 3600.....	O	(18)	Do.
San Diego, Calif.....	NPL	600, 975, 1988, 2400, 3950, 5200, 9800, 10100, 11500, 17145	PG	N	U. S. Navy.
San Domingo City, D. R.....	NJG	600.....	PG	N	Do.
Sandy Hook, N. J.....	NAH	800.....	RC	N	Do.
San Francisco, Calif., Light Vessel (L. No. 70)	NAKS	600, 756.....	O	X	Do.
San Francisco, Calif.....	NPG	150, 600, 975, 1900, 2400, 2900, 3950, 4650, 4800, 7100, 7900, 8875, 13900, 17145	O	N	Do.
San Francisco, Calif. (Presidio of San Francisco)	WVY	.....	O	N	U. S. Army.
San Juan, P. R.....	NAU	600, 975, 2400, 2750, 3950, 5200	PG	N	U. S. Navy.
San Pedro, Calif.....	NPX	150, 365, 600, 975, 1851, 2400, 2750, 3950, 4525	PG	N	Do.
Savannah, Ga.....	NEV	600, 1813.....	PG	N	Do.
Sayville, N. Y.....	NDD	9145, 10510.....	O	N	Do.
Scotland Light Vessel (L. V. No. 11)	NARV	300, 600, 952.....	O	X	Do.
Seattle, Wash.....	NVL	600, 700, 2400	PG	N	Do.
Seward, Alaska.....	NPV	600, 1908.....	PG	N	Do.
Shanghai, China (receiving station only, American consulate)	NPJ	Variable.....	O	X	Do.
Sitka, Alaska.....	NPB	600, 975, 2400, 2650, 3950, 4800	PG	N	Do.

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## GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Concluded.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Smith Island, Wash.....	NFH	800.....	PG	(*)	
Soapstone Point, Alaska.....	N UW	800.....	RC	N	U. S. Navy.
South Pass Light Vessel (L. V. No. 102).	NAGT	300, 378, 476, 600, 756, 952	O	X	Do.
St. Augustine, Fla.....	NAP	600, 975, 1851.	PG	N	Do.
St. Croix, V. I.....	NNI	450, 600.....	PG	N	Do.
St. George, Alaska.....	NPY	600, 675.....	PG	N	Do.
St. Louis, Mo.....	WYDA	600, 756, 952, 1200, 1500, 1900	O	(*)	Inland and Coastwise Waterways Service.
St. Paul, Alaska.....	NPQ	600, 975, 2650, 3950, 5700	PG	N	U. S. Navy.
St. Petersburg, Fla.....	NGL	600, 975, 2400, 2700, 3700, 3950	O	N	Do.
St. Thomas, V. I.....	NBB	600, 975, 1688.	PG	N	Do.
Stone Horse Shoal Light Vessel (L. V. No. 5).	NANT	300, 378, 476, 600, 756, 952	O	X	Do.
Surfside, Mass.....	NBS	800.....	RC	N	Do.
Swiftsure Bank Light Vessel (L. V. No. 93).	NABT	300, 600.....	PG	N	Do.
Tail of Horseshoe Light Vessel (L. V. No. 46).	NAZR	300, 378, 476, 600, 756, 952	O	X	Do.
Tatoosh, Wash. (regular station).....	NPD	600, 975, 1654.	PG	N	Do.
Tatoosh, Wash.....	NPD	800.....	RC	N	Do.
Thunder Bay Island, Mich.....	NSM	800.....	RC	N	Do.
Tien-Tsin, China.....	WYX	600, 1000.....	O	N	U. S. Army.
Tutuila, Samoa.....	NPU	600, 975, 2250, 2400, 3950, 4525	PG	N	U. S. Navy.
Umatilla Reef Light Vessel (L. V. No. 67).	NACV	300, 600.....	PG	N	Do.
Vineyard Sound Light Vessel (L. V. No. 41).	NACX	300, 378, 476, 600, 756, 952	O	X	Do.
Virginia Beach, Va.....	NCZ	800.....	RC	N	Do.
Vladivostok, Russia.....	NPH	3950, 7000.....	O	N	Do.
Washington, D. C. (Arlington).....	NAA	2650, 3950, 5950	PG	N	Do.
Washington, D. C. (Navy Yard)....	NAL	2650, 5950.....	O	N	Do.
Washington, D. C. (laboratory, Bureau of Standards).....	NSJ	.....	O	X	Do.
Washington, D. C. (laboratory, Bureau of Standards).....	WUQ	.....	O	X	U. S. Army.
Washington, D. C. (laboratory, Bureau of Standards).....	WWV	.....	O	X	Department of Commerce.
Washington, D. C. (laboratory, Bureau of Standards).....	WWX	3650, 3800.....	O	(*)	Post Office Department.
Washington, D. C. (Signal Corps laboratory).....	WXY	.....	O	X	U. S. Army.
Whitefish Point, Mich.....	NZT	800.....	RC	N	U. S. Navy.
Winter Quarter Shoals Light Vessel (L. V. No. 91).	NADT	300, 600, 952..	O	X	Do.
Wrangell, Alaska.....	WVJ	475.....	PG	(?)	U. S. Army.

<sup>1</sup> 8 to 10 p. m. daily; 9 to 10 a. m. Sunday.<sup>2</sup> 8 a. m. to 12 midnight.<sup>3</sup> 8 to 12 a. m.; 1 to 5 p. m.<sup>4</sup> Midnight to 2 a. m.; 4 to 6 a. m.; 4 to 6 p. m.; <sup>8 to 10 p. m.</sup><sup>5</sup> 3 a. m. to 7 p. m.<sup>6</sup> 4 a. m. to 8 p. m.<sup>7</sup> 8 a. m. to 8 p. m.<sup>8</sup> 8 a. m. to 12 noon; 1 to 5 p. m.<sup>9</sup> 8 a. m. to 5 p. m.<sup>10</sup> Operated in connection with the Washington-Alaska Cable & Telegraph System..<sup>11</sup> 9 a. m. to 7 p. m.<sup>12</sup> 9.30 to 10 a. m.; 1 to 1.30 p. m.; <sup>4 to 4.30 p. m.</sup><sup>13</sup> 2 a. m. to 6 p. m.<sup>14</sup> 7 a. m. to 9 p. m.

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[All naval stations are open to general public service and maintain a continuous service. The normal wave length is 600 meters, but all vessels are equipped to transmit and receive on a wave length of 300 meters.]

Ship.	Call signal.	Ship.	Call signal.	Ship	Call signal.
Aaron Ward.....	NELX	Biddle.....	NVW	Carrabasset.....	NEVQ
Abarenda.....	NOB	Billingsley.....	NUPQ	Case.....	NUNX
Abbot.....	NEZS	Birmingham.....	NCN	Cassin.....	NIK
Abel P. Upshur.....	NUJD	Bittern.....	NIJR	Cayuga.....	NAFP
Acushnet (C. G. C.).....	NRU	Black Hawk.....	NAJD	Cedar (L. H. T.).....	NLW
Ajax.....	NAKD	Blakely.....	NVX	Celtic.....	NDB
Alameda.....	NUGJ	Bobolink.....	NIJJ	Champlin.....	NEKQ
Albany.....	NBJ	Boggs.....	NAMT	Chandler.....	NAGL
Alden.....	NULK	Boreas.....	NALM	Charles Ausburne.....	NUPR
Alert.....	NBL	Borie.....	NULL	Charles S. Osborne.....	NABG
Algonquin (C. G. C.).....	NRA	Boston.....	NGO	Charleston.....	NFE
Algoma.....	NEVP	Bothwell (C. G. C.).....	NEKD	Charlotte.....	NMN
Allegheny.....	NACZ	Boyce (C. G. C.).....	NISD	Chase.....	NUMK
Allen.....	NJD	Branch.....	NEML	Chattanooga.....	NGI
Altair.....	NURJ	Brant.....	NAFF	Chaumont.....	NISV
Amaranth.....	NAPT	Brazos.....	NIFK	Chaucey.....	NIFF
Ammen.....	NBP	Breck.....	NULZ	Chemung.....	NARG
Androscogggin (C. G. C.).....	NRD	Breckinridge.....	NERZ	Chester.....	NDG
Anemone (L. H. T.).....	NABP	Breese.....	NESM	Chew.....	NEMZ
Annapolis.....	NBR	Bridge.....	NOI	Chevink.....	NIVJ
Antares.....	NATB	Bridgeport.....	NGR	Cheyenne.....	NDH
Anthony.....	NEVS	Brooks.....	NEZX	Chicago.....	NDI
Apache (C. G. C.).....	NACB	Broome.....	NEPF	Childs.....	NULN
Apo.....	NUDP	Bruce.....	NUPS	Cincinnati.....	NISN
Aramis.....	NARP	Brutus.....	NNA	Claxton.....	NEQZ
Arapho.....	NSP	Buchanan.....	NEQS	Clemson.....	NEZT
Arbutus (L. H. T.).....	NAGM	Buffalo.....	NCU	Cleveland.....	NDM
Arcata (C. G. C.).....	NADD	Buford.....	WXA	Coast Torpedo Boat	
Arctic.....	NAFR	Bulmer.....	NUPN	No. 6.....	NIFT
Arethusa.....	NBU	Burns.....	NAFS	Coghlan.....	NUPK
Argonne.....	NISX	Burnside.....	WXR	Cole.....	NEST
Arizona.....	NBW	Burrows.....	NCV	Colhoun.....	NAJL
Arkansas.....	NBV	Bush.....	NETT	Colonel Albert Todd.....	WYBI
Aroostook.....	NMK	Bushnell.....	NZC	Col. Garland N. Whis-	
Asheville.....	NELV	Cadmus.....	WUAB	tler.....	WYBJ
Atlantic.....	NENN	Caesar.....	NCY	Colonel George Arm-	
Aulick.....	NERG	Cahokia.....	NITV	stead.....	WYG
Avocet.....	NADP	Cairo.....	WYDF	Colonel George F. E.	
Aylwin.....	NIH	Caldwell.....	NSI	Harrison.....	WYBE
Azalea (L. H. T.).....	NXU	California.....	NDF	Col. John V. White.....	WYBK
Babbitt.....	NEPX	Camden.....	NAPR	Colorado.....	NECR
Bache (C. & G. S.).....	NLK	Canandaigua.....	NCR	Columbia.....	NAXL
Badger.....	NEPT	Canopus.....	NIRX	Columbine (L. H. T.).....	NLL
Bagaduce.....	NAZP	Capella.....	NAZK	Comanche (C. G. C.).....	NRW
Bagley.....	NUVU	Captain A. M. Weth-		Comfort.....	NDO
Bailey.....	NCF	erill.....		Comodore.....	NLE
Bainbridge.....	NUQL	Captain Charles W.		Concord.....	NIRV
Balch.....	NII	Rowell.....		Connecticut.....	NDQ
Ballard.....	NIGN	Captain Clarence M.		Conner.....	NSN
Baltimore.....	NCH	Condon.....		Constellation.....	NEDF
Bancroft.....	NAJQ	Capt. Edward P.		Constellation (old).....	NEY
Barker.....	NUJK	Nones.....		Constitution.....	NEBF
Barney.....	NVV	Captain Edwin C.		Constitution (old).....	NLZ
Barry.....	NUQP	Long.....		Contocook.....	NELR
Bath.....	NHY	Captain Fred L. Perry		Converse.....	NAPM
Baton Rouge.....	WYDI	Captain Gregory Bar-		Conyngham.....	NJE
Bayspring.....	NISZ	rett.....		Cook (C. G. C.).....	NIGT
Beale.....	NCL	Captain James For-		Cormorant.....	NIKV
Bear (C. G. C.).....	NRB	manance.....		Corry.....	NUQZ
Beaufort.....	NGP	Capt. Samuel C. Card-		Cowell.....	NETV
Beaver.....	NEQQ	well.....		Crane.....	NIFB
Belknap.....	NEZZ	Captain T. M. Morri-		Craven.....	NERJ
Bell.....	NATG	son.....		Crook.....	WXB
Benham.....	NIJ	Cardinal.....		Crosby.....	NESZ
Bernadou.....	NESS	Carr (C. G. C.).....		Crownishield.....	NADF

GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Cuba.....	WYCA	Eagle 42.....	NIBL	General R. H. Jackson.....	WYW
Culgoa.....	NDU	Eagle 43.....	NIBP	General Richard Arnold.....	WYY
Cumberland.....	NSZ	Eagle 44.....	NIBQ	General R. N. Batchelder.....	WZW
Cummings.....	NIL	Eagle 45.....	NIBR	General Robert Anderson.....	WYH
Curacao.....	NAGQ	Eagle 46.....	NIBT	General Robert W. Swartout.....	WYU
Curlew.....	NLIB	Eagle 47.....	NIBV	General Royal T. Frank.....	WYA
Cushing.....	NIM	Eagle 48.....	NIBX	General S. B. Holabird.....	WYV
Cuyama.....	NOD	Eagle 49.....	NIBZ	General S. M. Mills.....	WYB
Cyan.....	NIFV	Eagle 50.....	NICB	General Timothy Pickering.....	WZQ
Cygan (C. G. C.).....	NICP	Eagle 51.....	NICL	General Wallace F. Randolph.....	WYBG
Cypress (L. H. T.).....	NLM	Eagle 52.....	NICC	General William M. Graham.....	WYBD
Cyrus W. Field.....	WYBC	Eagle 53.....	NICD	George E. Badger.....	NUJG
D-1.....	NXP	Eagle 54.....	NICF	Georgia.....	NGF
D-2.....	NXQ	Eagle 55.....	NICG	Giltis.....	NERR
D-3.....	NXR	Eagle 56.....	NICJ	Gilmer.....	NERB
Dahlgren.....	NVZ	Eagle 57.....	NICK	Glacier.....	NGH
Dale.....	NUND	Eagle 58.....	NICL	Goff.....	NUQF
Dallas.....	NENM	Eagle 59.....	NICM	Goldsborough.....	NGJ
Davis.....	NJF	Eagle 60.....	NICN	Gold Star.....	NASJ
Decatur.....	NUQV	Earp (C. G. C.).....	NEKF	Gorgona.....	NDJ
Delaware.....	NEK	Edsall.....	NUPM	Graham.....	NAGJ
De Long.....	NWB	Edwards.....	NIGL	Grebe.....	NIKX
Delphy.....	NEZQ	Eider (U. S. Navy).....	NIKR	Greene.....	NGIM
Denebola.....	NIRZ	Eider (Bureau of Fisheries).....	NURK	Grot.....	NERT
Dent.....	NEG F	El Cano.....	NFD	Gregory.....	NAJR
Denver.....	NEM	Elliot.....	NERV	Gresham (C. G. C.).....	NRG
Des Moines.....	NEN	Ellis.....	NIFD	Gridley.....	NEMX
Despatch.....	NIDF	Ericsson.....	NIS	Gulfport.....	NHS
Detroit.....	NISP	Evans.....	NEMS	Gwalla.....	WUAD
Dickerson.....	NAFC	Explorer (C. & G. S.).....	NAVM	Gwin.....	NAGX
Discoverer.....	NIJT	F-2.....	NXV	Gypsum Prince.....	WUAC
Dixie.....	NEP	F-3.....	NXW	H-2.....	NYD
Dobbin.....	NUNR	Fairfax.....	NTN	H-3.....	NYE
Dolphin.....	NEQ	Falcon.....	NEKN	H-4.....	NEQM
Dorsey.....	NELG	Fanning.....	NFM	H-5.....	NETG
Downes.....	NIN	Farenholt.....	NECK	H-6.....	NEFC
Doyen.....	NUJS	Farquhar.....	NANZ	H-7.....	NESJ
Drayton.....	NET	Farragut.....	NVS	H-8.....	NELN
Dreadnaught.....	NCX	Fathomer (C. & G. S.).....	NESR	H-9.....	NEBV
Dubuque.....	NEU	Fern (L. H. T.).....	NAFV	H-10.....	NITF
Duncan.....	NIR	Finch.....	NAJP	H-11.....	NETL
Dupont.....	NWC	Flamingo.....	NIJN	H-12.....	NUMR
Dyer.....	NACN	Florida.....	NFR	H-13.....	NEKP
E-1.....	NXS	Frederick.....	NUNF	H-14.....	NEMV
E-2.....	NXT	Fuller.....	NWF	H-15.....	NENV
Eagle 1.....	NEJB	Fulton.....	NUQJ	H-16.....	NGV
Eagle 2.....	NEJC	Foote.....	NUQK	H-17.....	NEZV
Eagle 3.....	NEJD	Ford.....	NEGS	H-18.....	NULD
Eagle 4.....	NEJJ	Fortune.....	FOX	H-19.....	NUMT
Eagle 5.....	NEJJG	Frederick.....	NWJ	H-20.....	NULG
Eagle 6.....	NEJJ	Fuller.....	NJS	H-21.....	NUJQ
Eagle 7.....	NEJK	Fulton.....	NIFG	H-22.....	NAKL
Eagle 8.....	NEJL	G-2.....	NZD	H-23.....	NHIL
Eagle 9.....	NEJM	G-3.....	NXZ	Hannibal.....	NGU
Eagle 10.....	NEJN	G-4.....	NYA	Haraden.....	NEXZ
Eagle 11.....	NEJP	Galveston.....	NYB	Harbor tug No. 61.....	NUMX
Eagle 12.....	NEJQ	Gamble.....	NGD	Harbor tug No. 63.....	NULD
Eagle 13.....	NEJR	Gannel.....	NEZR	Harbor tug No. 64.....	NUMT
Eagle 14.....	NEJS	General Absalon Baird.....	NIJX	Harbor tug No. 67.....	NULG
Eagle 15.....	NEJT	General Alava.....	WYBA	Harbor tug No. 68.....	NUMR
Eagle 17.....	NEJX	General A. M. Randal.....	NAMG	Harbor tug No. 74.....	NEKP
Eagle 18.....	NEJZ	General E d m u n d Kirby.....	WYJ	Harding.....	NEMV
Eagle 19.....	NEKB	General E. O. C. Ord.....	WYBF	Hart.....	NENV
Eagle 23.....	NEKG	General George H. Weeks.....	WYF	Hartford.....	NGV
Eagle 24.....	NEKJ	General G. W. Getty.....	WZT	Hatfield.....	NEZV
Eagle 25.....	NEXF	General Harvey Brown.....	WYS	Hazlewood.....	NENS
Eagle 27.....	NEXG	General Henry J. Hunt.....	WYK	Heather (L. H. T.).....	NAKL
Eagle 28.....	NEXM	General Henry Knox.....	WYD	Helena.....	NGY
Eagle 29.....	NEXN	General J. Franklin Bell.....	WYE	Henderson.....	NOH
Eagle 31.....	NEZG	General John M. Schofield.....	WYBB	Henley.....	NHA
Eagle 32.....	NEZZ	General John P. Story.....	WXW	Henry Wilson.....	WZS
Eagle 33.....	NIBB	General Mifflin.....	WYBH	Henshaw.....	NUJQ
Eagle 34.....	NIBD	General Nathaniel Greene.....	WZX	Herbert.....	NEMJ
Eagle 35.....	NIBG	General R. B. Ayres.....	WZR	Hercules.....	NEKR
Eagle 36.....	NIBK		WYL	Herndon.....	NEJN
Eagle 37.....	NIBM			Heron.....	NENL
Eagle 38.....	NIBN			Hibiscus (L. H. T.).....	NAKN
Eagle 39.....	NIBC			Hogan.....	NEXT
Eagle 40.....	NIBF			Holland.....	NIRM
Eagle 41.....	NIBJ			Hopewell.....	NEXX
				Hopkins.....	NUQM

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Housatonic.....	NFX	Lamberton.....	NAZL	Maumee.....	NNE
Houston.....	NGZ	Lamson.....	NUNC	Maury.....	NEPG
Hovey.....	NEPB	Langley.....	NNC	Mayflower (President's yacht).....	NJV
Howard.....	NIFM	Landsdale.....	NERL	Mayflower (L. H. T.).....	NZQ
Hulbert.....	NUKD	Lapwing.....	NALC	Mayrant.....	NJU
Hull.....	NUQT	Laramie.....	NUGL	McCall.....	NJW
Humphreys.....	NUKX	Lardner.....	NUPF	McCalla.....	NIGC
Hunt.....	NUJF	Lark.....	NIJK	McCawley.....	NULS
Huntington.....	NWG	Larkspur (L. H. T.).....	NAMB	McCook.....	NIGB
Huron.....	NSX	Larsen (C. G. C.).....	NIKTK	McCormick.....	NUPZ
Hyacinth (L. H. T.).....	NAGV	Laub.....	NIGJ	McDermut.....	NIGG
Idaho.....	NHN	Laurel (L. H. T.).....	NALV	McDougal.....	NIT
Illinois.....	NHO	La Vallette.....	NUJT	McFarland.....	NETB
Indiana.....	NIRS	Lawrence.....	NUQQ	McCourt (C. G. C.).....	NEJV
Ingraham.....	NENX	Lea.....	NETF	McKean.....	NEMT
Intrepid.....	NFY	Leary.....	NAFL	McKee.....	NACQ
Iowa.....	NIRP	Leonidas.....	NNH	McLanahan.....	NIGK
Iris (L. H. T.).....	NALL	Lexington.....	NEDB	Meade.....	NEBJ
Iroquois.....	NHV	Lieut. Geo. M. Harris.....	WYR	Medusa.....	NEMC
Isherwood.....	NUNV	Lieut. Harold G. Douglas.....	WYBQ	Mehalatos (C. G. C.).....	NIDL
Israel.....	NENG	Lieut. Col. Herman C. Schum.....	WYBS	Meigs.....	WXD
Itasca (C. G. C.).....	NRI	Lieut. Col. Robert C. Gildart.....	WYBR	Melville.....	NKA
Iuka.....	NEVR	Lilac (L. H. T.).....	NUCF	Melvin.....	NURC
Ivy (L. H. T.).....	NAKV	Liscum.....	WXE	Memphis.....	NISS
Jacob Jones.....	NEPZ	Litchfield.....	NUMM	Memphis.....	WYDJ
James K. Paulding.....	NUJM	Little.....	NRT	Mercy.....	NKK
Jarvis.....	NIB	Logan.....	WXF	Meredith.....	NETS
Jason.....	NNB	Long Beach.....	NEFZ	Merritt.....	WXI
J. D. Long.....	NEPD	Louisiana.....	NEGD	Mervine.....	NUMJ
Jenkins.....	NID	Luce.....	NENZ	Mexican.....	NAMC
J. Fred Tabot.....	NIGR	Ludlow.....	NDR	Meyer.....	NUJR
Johansson (C. G. C.).....	NIQP	Lydonia (C. & G. S.).....	NALK	Michigan.....	NJZ
John D. Edwards.....	NUPC	Lykens.....	NYY	Milwaukee.....	NISM
John Francis Burnes.....	NIGQ	M-1.....	NUQR	Minneapolis.....	NGB
Joseph Henry.....	WXT	MacDonough.....	NQL	Minnesota.....	NKD
Jouett.....	NIE	Maddox.....	NEVD	Mississippi.....	NKE
K-1.....	NYF	MacLeish.....	NEVDX	Missoula.....	NKM
K-2.....	NYG	MacDonough.....	NUGD	Modoc (C. G. C.).....	NIVD
K-3.....	NYH	Machias.....	NUPT	Mohave (C. G. C.).....	NLXB
K-4.....	NYI	Mackenzie.....	NETX	Mohave (U. S. Navy).....	NTO
K-5.....	NYJ	Mackinac.....	NAMV	Mohawk.....	NUFB
K-6.....	NYK	MacLeish.....	NAPS	Monahock.....	NZA
K-7.....	NYL	Maddox.....	NEQK	Monadnock.....	NHD
K-8.....	NYM	Madrono (L. H. T.).....	NETD	Monaghan.....	NKL
Kalk.....	NIGD	Magnolia (L. H. T.).....	WYQ	Monocacy.....	NQQ
Kalmia.....	NAZS	Mahan.....	WYBV	Montana.....	NISJ
Kanawha.....	NND	Mahopac.....	WYBT	Montcalm.....	NEQF
Kane.....	NULM	Maine.....	WZY	Monterey.....	NKN
Kankakee (C. G. C.).....	NUMZ	Major Albert G. Force.....	WYBX	Montgomery.....	NAXJ
Kansas.....	NIO	Major Albert G. Jenkins.....	WYBU	Moody.....	NULT
Kaweah.....	NUGK	Major Carl A. Lohr.....	WYC	Morgan Lewis.....	WXQ
Kearsarge.....	NIP	Major Evan Thomas.....	WYBW	Morrill (C. G. C.).....	NRC
Kennedy.....	NAZM	Major Guy Howard.....	WYO	Morris.....	NWS
Kennison.....	NEQX	Major John W. McKie.....	WZY	Mugford.....	NEXR
Kentucky.....	NIQ	Major Lester E. Moreton.....	WYBX	Mullan.....	NUML
Keosauqua.....	NEXC	Major Samuel Ringgold.....	WYBU	Murray.....	NAXK
Kewaydin.....	NAXN	Major William P. Pence.....	WYC	N-1.....	NZE
Kickapoo (C. G. C.).....	NITX	Mallard.....	WYBW	N-2.....	NZF
Kidder.....	NUJX	Mangrove (L. H. T.).....	NIKB	N-3.....	NZG
Kilkenny.....	KKI	Manhattan (C. G. C.).....	NANV	N-4.....	NZH
Kilty.....	NAKX	Manley.....	NEKZ	N-5.....	NZI
Kimberly.....	NADL	Manning (C. G. C.).....	NSH	N-6.....	NZJ
King.....	NULP	Mansfield.....	NRN	N-7.....	NZK
Kingfisher.....	NALP	Manzanita (L. H. T.).....	NUMV	Nansemond.....	NITL
Kittery.....	NHW	Maple (L. H. T.).....	NLU	Nansham.....	NNK
Klingelhoefer (C. G. C.).....	NISC	Marblehead.....	NAPV	Nantucket.....	NFU
Knudsen (C. G. C.).....	NEXL	Marcus.....	NIRR	Napa.....	NEVC
Koka.....	NETZ	Marigold (L. H. T.).....	NUMG	Narragansett.....	NAMN
Kukui (L. H. T.).....	NLF	Mariindeque (C. & G. S.).....	NAQV	Natchez.....	WYDD
L-1.....	NYN	S.).....	NAQV	Natoma (C. & G. S.).....	NUGG
L-2.....	NYO	Mars.....	NAQV	Navajo.....	NKZ
L-3.....	NYP	Maryland.....	NAQV	Navesink.....	WXU
L-4.....	NYQ	Mascoutin (C. G. C.).....	NAQV	Nebraska.....	NMA
L-5.....	NYR	Mason.....	NAQV	Neches.....	NIFP
L-6.....	NYS	Massachusetts.....	NAQV	Neptune.....	NMS
L-7.....	NYT	Mattole.....	NAQV	Nereus.....	NNF
L-8.....	NYU		NAQV	Nero.....	NEDX
L-9.....	NYV		NAQV	Nevada.....	NCA
L-10.....	NYW		NAQV	New Hampshire.....	NME
L-11.....	NYX		NAQV		

GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
New Jersey.....	NMF	Pennsylvania.....	NCE	Renshaw.....	NEVZ
New Mexico.....	NQW	Penobscot.....	NOE	Reuben James.....	NUNT
New Orleans (U. S. Navy).....	NMG	Pensacola.....	NGN	Rhode Island.....	NTX
New Orleans (War Dept.).....	WYDH	Pentucket.....	NUL	Richards (C. G. C.).....	NIDG
Newport.....	NMH	Peoria.....	NOW	Richmond.....	NISQ
Newport News.....	NHZ	Pequot (C. G. C.).....	NUPJ	Rigel.....	NURG
New York.....	NCC	Percival.....	NIFJ	Ringgold.....	NALT
Niagara.....	NABC	Perkins.....	NOX	Rizal.....	NEVV
Nicholas.....	NUNZ	Perry.....	NUQS	Roanoke.....	NHU
Nicholson.....	NIU	Philip.....	NEDG	Robert L. Barnes.....	NAZZ
Nitro.....	NELL	Pigeon.....	NIKF	Robert Smith.....	NUKB
Noa.....	NUKF	Pillsbury.....	NUQG	Robin.....	NAQN
Nokomis.....	NAMM	Pinola.....	NEVL	Robinson.....	NAJX
North Carolina.....	NISK	Pioneer (C. & G. S.).....	NIJL	Rochester.....	NTR
North Dakota.....	NMO	Piscataqua.....	NAQC	Rocket.....	NUT
O-1.....	NEXJ	Pittsburgh.....	NOT	Rodgers.....	NWT
O-2.....	NETJ	Poe.....	WYBL	Roe.....	NTZ
O-3.....	NAMR	Pompey.....	NQF	Roper.....	NERX
O-4.....	NAMX	Pope.....	NUQB	Rose (L. H. T.).....	NASD
O-5.....	NAMZ	Porter.....	NOO	Rowan.....	NKR
O-6.....	NANB	Potomac.....	NQK	S-1.....	NIMG
O-7.....	NANC	Prairie.....	NQM	S-2.....	NIMJ
O-8.....	NAND	Preble.....	NUNG	S-3.....	NIMK
O-9.....	NAGB	Preston.....	NUNJ	S-4.....	NIML
O-10.....	NAXT	Procyon.....	NURF	S-5.....	NIMM
O-11.....	NETK	Prometheus.....	NQR	S-6.....	NIMN
O-12.....	NETL	Proteus.....	NNG	S-7.....	NIMP
O-13.....	NEZN	Pruitt.....	NUPV	S-8.....	NIMQ
O-14.....	NEVD	Pueblo.....	NDN	S-9.....	NIMR
O-15.....	NAKS	Putnam.....	NUPG	S-10.....	NIMS
O-16.....	NASM	Pyro.....	NELK	S-11.....	NIMT
O'Bannon.....	NEXS	Quail.....	NIKQ	S-12.....	NIMV
O'Brien.....	NIV	Quigley (C. G. C.).....	NIDB	S-13.....	NIMX
Ohio.....	NMW	Quincy.....	NGQ	S-14.....	NIMZ
Oil barge No. 9.....	NEQL	Quiros.....	NQZ	S-15.....	NINB
Oklahoma.....	NCB	R-1.....	NIIC	S-16.....	NINC
Olympia.....	NGG	R-2.....	NIID	S-17.....	NIND
Omaha.....	NISL	R-3.....	NIIF	S-18.....	NINF
Onondaga (C. G. C.).....	NRO	R-4.....	NIIG	S-19.....	NING
Ontario.....	NTA	R-5.....	NIIL	S-20.....	NINJ
Orchid (L. H. T.).....	NLT	R-6.....	NIILK	S-21.....	NINK
Oregon.....	NMZ	R-7.....	NILL	S-22.....	NINL
Oriole.....	NEVM	R-8.....	NIILM	S-23.....	NINM
Orion.....	NOC	R-9.....	NIILN	S-24.....	NINN
Ortolan.....	NIKC	R-10.....	NIILP	S-25.....	NINP
Osborne.....	NUQC	R-11.....	NIILQ	S-26.....	NINQ
Osceola.....	NOA	R-12.....	NIILR	S-27.....	NINR
Osmond Ingram.....	NIGF	R-13.....	NIILS	S-28.....	NINS
Ossipee (C. G. C.).....	NRJ	R-14.....	NIILT	S-29.....	NINT
Overton.....	NUIJ	R-15.....	NASV	S-30.....	NINV
Oveson (C. G. C.).....	NIZD	R-16.....	NASX	S-31.....	NINX
Owl.....	NACS	R-17.....	NAFX	S-32.....	NINZ
Ozark.....	NHH	R-18.....	NEG	S-33.....	NIPB
Ozette.....	NEDN	R-19.....	NEGK	S-34.....	NIPC
Paducah.....	NOG	R-20.....	NARZ	S-35.....	NIPD
Palmer.....	NECV	R-21.....	NIILV	S-36.....	NIPF
Palos.....	NQS	R-22.....	NIILX	S-37.....	NIPG
Pamlico (C. G. C.).....	NRR	R-23.....	NIILZ	S-38.....	NIPJ
Pampanga.....	NQT	R-24.....	NIMB	S-39.....	NIPK
Panther.....	NOJ	R-25.....	NIMC	S-40.....	NIPL
Parker.....	NIX	R-26.....	NIMD	S-41.....	NIPM
Parrott.....	NUPD	R-27.....	NIMF	S-42.....	NIPN
Partridge.....	NIJG	Radford.....	NEXB	S-43.....	NIPP
Patapsco.....	NOL	Rail.....	NAQJ	S-44.....	NIPQ
Pathfinder (C. & G. S.).....	NLJ	Rainbow.....	NFZ	S-45.....	NIPR
Patoka.....	NUGN	Raleigh.....	NIRT	S-46.....	NIPS
Patterson.....	NOK	Ramapo.....	NUGP	S-47.....	NIPT
Patuxent.....	NOM	Ramsay.....	NIFC	S-48.....	NIPV
Paulding.....	NON	Ranger (C. & G. S.).....	NUDG	S-49.....	NIPX
Paul Hamilton.....	NAQN	Rapidan.....	NUGQ	S-50.....	NIPZ
Paul Jones.....	NUQN	Rappahannock.....	NJO	S-51.....	NIQK
Pawnee.....	NUIH	Rathbune.....	NACR	Sacramento.....	NQV
Pawtucket.....	NUJ	Raven.....	NIKZ	Sagamore.....	NANX
Peacock.....	NIKD	Redwing.....	NIKG	Saint Louis.....	NTF
Peary.....	NUQD	Regulus.....	NASQ	Salem.....	NTP
Pecos.....	NIFQ	Reid.....	NUNK	Salinas.....	NUGR
Pelican.....	NEFK	Relief (hospital ship No. 1).....	NEPQ	Samoset.....	NUU
Penguin.....	NECT	Reno (U. S. Navy).....	NAMD	Sanderling.....	NKS
		Reno (tug).....	WYN	Sandpiper.....	NIJS
					NIKK

GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—  
Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Sands.....	NULQ	S. C. 432.....	NIQL	S. P. 1116 (Genesee).....	NKG
San Francisco.....	NTQ	S. C. 439.....	NIQT	S. P. 1121 (Osborne).....	NESN
Sapele.....	NUGS	S. C. 440.....	NIQV	S. P. 1149 (Barnett).....	NUFN
Sara Thompson.....	NEMD	S. C. 441.....	NIQX	S. P. 1161 (Francis B. Hackett).....	NTD
Saratoga.....	NELB	S. C. 443.....	NIRB	S. P. 1213 (Montauk).....	NARN
Satterlee.....	NAGC	S. C. 444.....	NIRC	S. P. 1232 (Barnegat).....	NADQ
Saturn.....	NNM	San Pedro.....	WZZ	S. P. 1234 (Cigarette).....	NUCJ
Savannah.....	NGS	Santa Leonora.....	KIML	S. P. 2047 (Moosehead).....	NAQM
S. C. 23.....	NOBQ	Saukee.....	NIVQ	S. P. 2225 (Navigator).....	NECD
S. C. 57.....	NODEF	Scally (C. G. C.).....	NEKC	S. P. 2373 (Herreshoff Hull No. 322).....	NUDK
S. C. 62.....	NODM	Schenck.....	NEMG	S. P. 3218 (Resolute).....	NUGB
S. C. 63.....	NODN	Schley.....	NKT	S. P. 3297 (Winthrop).....	NUBR
S. C. 64.....	NODEP	Sciota.....	NEVK	Spica.....	NURD
S. C. 69.....	NODR	Scorpion.....	NTT	S. P. Lee.....	NESB
S. C. 71.....	NOTD	Seagull.....	NIJM	Springg Carroll.....	WZU
S. C. 93.....	NOFX	Seattle.....	NAPG	Sproston.....	NEVT
S. C. 100.....	NOGJ	Sebago.....	NUV	Stansbury.....	NEXV
S. C. 102.....	NOGL	Selfridge.....	NUUZ	Stellenwerf.....	NIDC
S. C. 104.....	NOGN	Seminole (C. G. C.).....	NRS	Sterrett.....	NTB
S. C. 106.....	NOGK	Semmes.....	NAFZ	Stevens.....	NAPK
S. C. 119.....	NOJK	Seneca (C. G. C.).....	NRE	Stewart.....	NUNN
S. C. 121.....	NOJM	Septulga.....	NUGT	St. Louis.....	WYDG
S. C. 143.....	NOKN	Sequoia (L. H. T.).....	NLV	Stockton.....	NEO
S. C. 145.....	NOKQ	Sharkey.....	NULV	Stodderd.....	NALZ
S. C. 147.....	NOKR	Shaw.....	NKU	Stribling.....	NAVS
S. C. 154.....	NOLC	Shawmut.....	NML	Stringham.....	NACP
S. C. 156.....	NOLF	Shawnee (C. G. C.).....	NIZJ	Sturtevant.....	NUJP
S. C. 159.....	NOLK	Sheridan.....	WXJ	Sumac (L. H. T.).....	NASG
S. C. 177.....	NOLR	Sherman.....	WXK	Summer.....	NUQX
S. C. 185.....	NOMD	Shirk.....	NUJV	Sunflower (L. H. T.).....	NUFM
S. C. 186.....	NOMF	Shubrick.....	NWU	Sunnadin.....	NEVB
S. C. 188.....	NONJ	Sicard.....	NUPL	Surveyor (C. & G. S.).....	NQU
S. C. 190.....	NONL	Sigourney.....	NAJB	Swallow.....	NEFL
S. C. 191.....	NONM	Simpson.....	NUPX	Swan.....	NIJP
S. C. 192.....	NONN	Sinclair.....	NULR	Swasey.....	NIGP
S. C. 195.....	NOMR	Sirius.....	NUPP	Sylph.....	NTL
S. C. 210.....	NONN	Sloat.....	NUMD	T-1.....	NILB
S. C. 214.....	NONS	Slocum.....	WXS	T-2.....	NABB
S. C. 223.....	NOPF	Smith (C. G. C.).....	NIXG	T-3.....	NABZ
S. C. 224.....	NOPG	Smith Thompson.....	NUJJ	Tacoma.....	NUA
S. C. 229.....	NOPN	Snohomish (C. G. C.).....	NRF	Tacony.....	WUAE
S. C. 231.....	NOPQ	Solace.....	NST	Tadousac.....	NAZQ
S. C. 232.....	NOPR	Somers.....	NWV	Talbot.....	NAPL
S. C. 237.....	NOPZ	Sonoma.....	NTG	Tallahassee.....	NUC
S. C. 251.....	NOQQ	Sotomojo.....	NECZ	Tallapoosa (C. G. C.).....	NRV
S. C. 253.....	NOQS	Southard.....	NAJK	Tamaroa (C. G. C.).....	NIVR
S. C. 263.....	NORJ	South Bend.....	KEXQ	Tampa (C. G. C.).....	NITC
S. C. 264.....	NORK	South Carolina.....	NSW	Tanager.....	NABS
S. C. 270.....	NORR	South Dakota.....	NISG	Tarbell.....	NEZP
S. C. 271.....	NORS	S. P. 43 (Daraga).....	NUBB	Tatnuck.....	NETQ
S. C. 273.....	NORV	S. P. 54 (Patrol No. 6).....	NUBK	Tattnall.....	NEPS
S. C. 277.....	NOSC	S. P. 164 (May).....	NALQ	Taylor (U. S. Navy).....	NALR
S. C. 278.....	NOSD	S. P. 179 (Privateer).....	NUDF	Taylor (C. G. C.).....	NITB
S. C. 283.....	NOSL	S. P. 181 (Helori).....	NEFS	Teal.....	NAPN
S. C. 284.....	NOSM	S. P. 185 (Clarinda).....	NUFZ	Tennessee.....	NSE
S. C. 287.....	NOSQ	S. P. 214 (Edithia).....	NUCX	Tern.....	NIKT
S. C. 294.....	NOTB	S. P. 219 (Hauoli).....	NUCZ	Terry.....	NUI
S. C. 298.....	NOTG	S. P. 265 (Pocomoke).....	NUCT	Texas.....	NCD
S. C. 299.....	NOTJ	S. P. 399 (Legonia).....	NUFG	Thatche.....	NESV
S. C. 303.....	NOTN	S. P. 493 (Cahill).....	NDV	Thomas (U. S. Navy).....	NIFN
S. C. 305.....	NOTQ	S. P. 521 (Isabel).....	NIIF	Thomas (U. S. Army).....	WXM
S. C. 306.....	NOTR	S. P. 522 (Chas. Mann).....	NUBT	Thompson.....	NAZC
S. C. 308.....	NOTT	S. P. 524 (Margaret).....	NQP	Thornton.....	NWX
S. C. 310.....	NOTX	S. P. 573 (Easthampton).....	NUCG	Thrush.....	NIKS
S. C. 320.....	NOVC	S. P. 642 (Felicia).....	NUCS	Tillman.....	NEQT
S. C. 326.....	NOVL	S. P. 680 (Ardent).....	NUCR	Tingard (C. G. C.).....	NISB
S. C. 328.....	NOVN	S. P. 681 (Breakwater).....	NUMS	Tippecanoe.....	NWY
S. C. 330.....	NOVQ	S. P. 707 (Endion).....	NUDR	Tonopah.....	NUGV
S. C. 332.....	NOVS	S. P. 714 (Galatea).....	NKP	Topeka.....	NUN
S. C. 340.....	NOXF	S. P. 724 (Fearless).....	NEKM	Torpedo Test Barge No. 1.....	NIFR
S. C. 341.....	NOXG	S. P. 726 (Orca).....	NUBS	Torpedo Test Barge No. 2.....	NIFS
S. C. 353.....	NOXS	S. P. 765 (Adelante).....	NUCK	Torpedo Test Barge No. 3.....	NIFX
S. C. 408.....	NOZC	S. P. 813 (Corona).....	NNQ	Torpedo Test Barge No. 4.....	NIFZ
S. C. 409.....	NOZD	S. P. 838 (John L. Lawrence).....	NUFL		
S. C. 412.....	NOZJ	S. P. 909 (Eaglet).....	NUBC		
S. C. 413.....	NOZK	S. P. 951 (Utowana).....	NJI		
S. C. 419.....	NOZR	S. P. 1014 (Sea Rover).....	NEX		
S. C. 424.....	NOZZ	S. P. 1015 (Challenge).....	NEKS		
S. C. 425.....	NIQB				
S. C. 427.....	NIQD				

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS--Continued.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Toucey.....	NULX	V-9.....	NIDJ	Whitney.....	NIRL
Tracy.....	NUJL	Vega.....	NAXM	Wickes.....	NATI
Traffic.....	NVA	Vermont.....	NVK	Widgeon.....	NAQF
Trenton.....	NISR	Vestal.....	NMC	Wilhelmina.....	NDE
Trever.....	NUMP	Vesuvius.....	NUBM	Wilkes.....	NKQ
Trinity.....	NUGX	Vicksburg (U. S. Navy)	NVN	Willet.....	NIKN
Trippie.....	NUQ	Vicksburg (War Dept.)	WYDE	William B. Preston	NUMQ
Triton.....	NVC	Villalobos.....	NVP	William Jones.....	NARR
Truxtun.....	NUQK	Vireo.....	NIKL	Williams.....	NENT
Tucker.....	NKV	Virginia.....	NVR	Williamson.....	NUNS
Tulip (L. H. T.)	NXX	Vixen.....	NSU	Willoughby.....	NJX
Tulsa.....	NIST	Vulcan.....	NVT	Wilmington.....	NWK
Turkey.....	NIJF	Wadsworth.....	NKW	Winslow.....	NJA
Turner.....	NERQ	Wahmeta.....	NVI	Wisconsin.....	NWM
Tuscarora (C. G. C.)	NRL	Wainwright.....	NKX	Wolverine.....	NGW
Twiggs.....	NEPV	Walke.....	NWL	Wompatuck.....	NVJ
Umpqua.....	NATS	Walker.....	NESX	Wood.....	NUMF
Unadilla.....	NEFT	Wandank.....	NARF	Woodbury.....	NATM
Unaigia (C. G. C.)	NRX	Warbler.....	NIKM	Woodcock.....	NIKP
Uncas.....	NVF	Ward.....	NAGS	Worden.....	NUNM
Undaunted.....	NNX	Warren.....	WXN	Wright.....	NIRN
United States.....	NUNQ	Warrington.....	NWD	Wyoming.....	NWQ
Upshur.....	NERS	Washington.....	NWE	Yacona.....	NJM
Utah.....	NVE	Wasmuth.....	NUKC	Yamacraw (C. G. C.)	NRY
V-1.....	NICQ	Waters.....	NATT	Yarborough.....	NUMG
V-2.....	NICR	Weilborn C. Wood.....	NULJ	Yarnall.....	NIGS
V-3.....	NICS	Welles.....	NAJZ	Yocona (C. G. C.)	NUNB
V-4.....	NICT	Wenonah (C. & G. S.)	NJJ	Young.....	NESG
V-5.....	NICV	West Virginia.....	NEDJ	Yukon.....	NAQD
V-6.....	NICX	Wheeling.....	NWH	Zane.....	NUMN
V-7.....	NICZ	Whipple.....	NUNL	Zeelin.....	NUMB
V-8.....	NIDD	Whippoorwill.....	NIJQ	Zizania (L. H. T.)....	NZZ

# GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS.

Call.	Station.		Call.	Station.	
KDEF	Omaha, Nebr.....	c	NAFT	Pollock Rip Slue Light Vessel (L. V. No. 73).....	c
KDEG	Cheyenne, Wyo.....	c	NAFS	Burns.....	b
KDEH	Salt Lake City, Utah.....	c	NAFV	Fern.....	b
KDEJ	Elko, Nev.....	c	NAFX	R-17.....	b
KDEK	Reno, Nev.....	c	NAFZ	Semmes.....	b
KDEL	Bryan, Ohio.....	c	NAGB	O-9.....	b
KDHM	North Platte, Nebr.....	c	NAGC	Satterlee.....	b
KDHN	Rock Springs, Wyo.....	c	NAGG	Mason.....	b
KDPB	Minneapolis, Minn.....	c	NAGJ	Graham.....	b
KDQA	Chicago, Ill.....	c	NAGL	Chandler.....	b
KDQC	Cincinnati, Ohio.....	c	NAGM	Arbutus.....	b
KDTS	Iowa City, Iowa.....	c	NAGQ	Curacao.....	b
KEXQ	South Bend.....	b	NAGS	Ward.....	b
KIML	Santa Lenora.....	b	NAGT	South Pass Light Vessel (L. V. No. 102).....	c
KKI	Kilkenny.....	b	NAGV	Hyacinth.....	b
TKT	Akutan, Alaska.....	c	NAGX	Gwin.....	b
NAA	Washington, D. C. (Arlington).....	c	NAH	Mantoloking, N. J. (R. C.).....	c
NAB	(Cape Elizabeth, Me. (R. C.).....	c	NAI	New York, N. Y.....	c
NABB	(Portland, Me. ....	b	NAJ	Sandy Hook, N. J. (R. C.).....	c
NABC	T-2.....	b	NAJB	Philadelphia, Pa.....	c
NABG	Niagara.....	b	NAJC	Great Lakes, Ill.....	c
NABJ	Charles S. Osborne.....	b	NAJD	Sigourney.....	b
NABP	Great Round Shoals Light Vessel (L. V. No. 66).....	c	NAJJ	Relief Light Vessel No. 53.....	c
NABS	Anemone.....	b	NAJK	Black Hawk.....	b
NABT	Tanager.....	b	NAJL	Relief Light Vessel No. 86.....	c
NABV	Swiftsure Bank Light Vessel (L. V. No. 93).....	c	NAJP	Southard.....	b
NABX	Cape Lookout Shoals Light Vessel (L. V. No. 80).....	c	NAJQ	Colhoun.....	b
NABZ	Brunswick Light Vessel (L. V. No. 84).....	c	NAJR	Finch.....	b
NAC	T-3.....	b	NAJS	Bancroft.....	b
NACB	Portsmouth, N. H.....	c	NAJT	Gregory.....	b
NACL	Apache.....	b	NAJS	Fenwick Island Shoal Light Vessel (L. V. No. 52).....	c
NACN	Hale.....	b	NAJT	Columbia River Light Vessel (L. V. No. 88).....	c
NACP	Dyer.....	b	NAJV	Cape Charles Light Vessel (L. V. No. 101).....	c
NACQ	Stringham.....	b	NAJX	Robinson.....	b
NACR	McKee.....	b	NAJZ	Welles.....	b
NACS	Rathburne.....	b	NAK	Annapolis, Md. (Naval Academy).....	c
NACT	Owl.....	b	NAKD	Ajax.....	b
NACV	Blunts Reef Light Vessel (L. V. No. 88).....	c	NAKL	Heather.....	b
NACX	Umatilla Reef Light Vessel (L. V. No. 67).....	c	NAKN	Hibiscus.....	b
NACZ	Vineyard Sound Light Vessel (L. V. No. 41).....	c	NAKS	San Francisco, Calif., Light Vessel (L. V. No. 70).....	c
NAD	Alleghany.....	b	NAKT	Overfalls Light Vessel (L. V. No. 69).....	c
NADD	(Boston, Mass.....	c	NAKV	Ivy.....	b
NADF	Deer Island, Mass. (R. C.).....	c	NAKX	Kilty.....	b
NADL	Fourth Cliff, Mass. (R. C.).....	c	NAL	Washington, D. C. (Navy Yard).....	c
NADP	Gloucester, Mass. (R. C.).....	c	NALC	Lapwing.....	b
NADQ	Arcata.....	b	NALK	Lykens.....	b
NADT	Crowninshield.....	b	NALL	Iris.....	b
NADV	Kimberly.....	b	NALM	Boreas.....	b
NADX	Avocet.....	b	NALP	Kingfisher.....	b
NAE	S. P. 1232 (Barnegat).....	b	NALQ	S. P. 164 (May).....	b
NAF	Winter Quarter Shoals Light Vessel (L. V. No. 91).....	c	NALR	Taylor.....	b
NAFC	Five Fathom Bank Light Vessel (L. V. No. 79).....	c	NALS	Ambrose Channel Light Vessel (L. V. No. 97).....	c
NAFF	Boston Light Vessel (L. V. No. 54).....	c	NALT	Ringgold.....	b
NAFL	North Truro, Mass. (R. C.).....	c	NALV	Laurel.....	b
NAFN	(Newport, R. I.).....	c	NALZ	Stoddert.....	b
NAFP	Prices Neck, R. I. (R. C.).....	c	NAM	Norfolk, Va.....	c
NAFR	Dickerson.....	b	NAMB	Larkspur.....	b
	Brant.....	b	NAMC	Mexican.....	b
	Leary.....	b	NAMD	Reno.....	b
	Cardinal.....	b	NAMG	General Alava.....	b
	Cayuga.....	b	NAMM	Nokomis.....	b
	Arctic.....	b	NAMN	Narragansett.....	b
			NAMR	O-3.....	b
			NAMS	Portland Light Vessel (L. V. No. 74).....	c
			NAMT	Boggs.....	b

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NAMV	Madrono.....	b	NAX	Colon, Canal Zone.....
NAMX	O-4.....	b	NAXJ	Montgomery.....
NAMZ	O-5.....	b	NAXK	Murray.....
NAN	{Cape Lookout, N. C. (R. C.).....	c	NAXL	Columbia.....
NANB	{Morehead City, N. C. ....	c	NAXM	Vega.....
NANC	O-6.....	b	NAXN	Kewaydin.....
NAND	O-7.....	b	NAXS	O-15.....
NANQ	O-8.....	b	NAXT	O-10.....
NANS	Robin.....	b	NAY	Point Isabel, Tex.....
NANT	Pollock Rip Light Vessel (L. V. No. 47).....	c	NAZ	Managua, Nicaragua.....
NANV	Stone Horse Shoal Light Vessel (L. V. No. 5).....	c	NAZC	Thompson.....
NANX	Mangrove.....	b	NAZJ	Charleston Light Vessel (L. V. No. 34).....
NANZ	Sagamore.....	b	NAZK	Capella.....
NAO	Farquhar.....	b	NAZL	Lamberton.....
NAP	Charleston, S. C. ....	c	NAZM	Kennedy.....
NAPG	St. Augustine, Fla. ....	c	NAZP	Bagaduce.....
NAPK	Seattle.....	b	NAZQ	Tadousac.....
NAPL	Stevens.....	b	NAZR	Tail of Horseshoe Light Vessel (L. V. No. 46).....
NAPM	Talbot.....	b	NAZS	Kalmia.....
NAPN	Converse.....	b	NAZV	Relief Light Vessel No. 4.....
NAPP	Teal.....	b	NAZZ	Robert L. Barnes.....
NAPR	Hen and Chickens Light Vessel (L. V. No. 42).....	c	NBA	Balboa, Canal Zone.....
NAPS	Camden.....	b	NBB	St. Thomas, Virgin Islands.....
NAPT	Magnolia.....	b	NBD	Bar Harbor, Me. (Outer Cliffs).....
NAPV	Amaranth.....	b	NBG	Bar Harbor, Me. (R. C.).....
NAQ	Maple.....	b	NBJ	Indianhead, Md. ....
NAQB	Jupiter, Fla. ....	c	NBL	Albany.....
NAQC	Cross Rip Light Vessel (L. V. No. 20).....	c	NBM	Amagansett, N. Y. (R. C.).....
NAQD	Piscataqua.....	b	NBR	Amagansett, N. Y. ....
NAQF	Yukon.....	b	NBP	Annen.....
NAQJ	Widgeon.....	b	NBS	Annapolis.....
NAQM	Rail.....	b	NBU	Surfside, Mass. (R. C.).....
NAQN	S. P. 2047 (Moosehead).....	b	NBV	Arethusa.....
NAQS	Paul Hamilton.....	b	NBW	Arkansas.....
NAQV	Handkerchief Light Vessel (L. V. No. 3).....	c	NBZ	Arizona.....
NAR	Marigold.....	b	NCA	Baltimore, Md. ....
NARC	{Key West, Fla. ....	c	NCB	Nevada.....
NARF	{Key West, Fla. (R. C.)....	c	NCC	Oklahoma.....
NARG	Maryland.....	b	NCD	New York.....
NARN	Wandank.....	b	NCE	Texas.....
NARP	Chemung.....	b	NCF	Pennsylvania.....
NARR	S. P. 1213 (Montauk).....	b	NCH	Bailey.....
NARS	Aramis.....	b	NCL	Baltimore.....
NART	William Jones.....	b	NCN	Beale.....
NARV	Northeast End Light Vessel (L. V. No. 44).....	c	NCR	Birmingham.....
NARX	Martins Industry Light Vessel (L. V. No. 1).....	c	NCU	Canandaigua.....
NARZ	Scotland Light Vessel (L. V. No. II).....	c	NCV	Buffalo.....
NAS	Ram Island Reef Light Vessel (L. V. No. 23).....	c	NCX	Burrows.....
NASB	R-20.....	b	NCY	Dreadnaught.....
NASC	Pensacola, Fla. ....	c		Caesar.....
NASD	Brenton Reef Light Vessel (L. V. No. 39).....	c		Hog Island, Va. (R. C.).....
NASG	Cornfield Point Light Vessel (L. V. No. 48).....	c	NCZ	Poyner's Hill, N. C. (R. C.).....
NASJ	Rose.....	b	NDB	Virginia Beach, Va. (R. C.).....
NASJ	Sumac.....	b	NDD	Celtic.....
NASJ	Gold Star.....	b	NDE	Sayville, N. Y. ....
NASK	Relief Light Vessel (L. V. No. 16).....	c	NDF	Wilhelmina.....
NASM	O-16.....	b	NDG	California.....
NASQ	Regulus.....	b	NDH	Chester.....
NASV	R-15.....	b	NDI	Cheyenne.....
NASX	R-16.....	b	NDJ	Gorgona.....
NAT	New Orleans, La. ....	c	NDM	Cleveland.....
NATB	Antares.....	b	NDN	Pueblo.....
NATD	Hedge Fence Light Vessel (L. V. No. 9).....	c	NDO	Comfort.....
NATG	Bell.....	b	NDQ	Connecticut.....
NATJ	Wickes.....	b	NDR	Lydia.....
NATM	Woodbury.....	b	NDU	Culgoa.....
NATS	Umpqua.....	b	NDV	S. P. 493 (Cahill).....
NATT	Waters.....	b	NDW	{Cape Hatteras, N. C. ....
NAU	San Juan, P. R. ....	c	NEBF	Constitution.....
NAV	Parris Island, S. C. ....	c	NEBJ	Meade.....
NAVM	Explorer.....	b	NEBV	H-9.....
NAVS	Stribling.....	b	NECD	S. P. 2225 (Navigator).....
NAW	Guantanamo, Cuba.....	c	NECK	Farenholt.....
			NECT	Colorado.....
			NECR	Penguin.....
			NECV	Palmer.....
			NECZ	Sotyomo.....
			NEDD	Lexington.....
			NEDF	Constellation.....

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NEDG	Philip.	b	NEPF	Broome.....b
NEDJ	West Virginia.	b	NEPG	Maury.....b
NEDN	Ozette.	b	NEPQ	Relief Hospital Ship No. 1.....b
NEDX	Nero.	b	NEPS	Tattnall.....b
NEFC	H-4.	b	NEPT	Badger.....b
NEFK	Pelican.	b	NEPV	Twiges.....b
NEFL	Swallow.	b	NEPX	Babbitt.....b
NEFS	S. P. 181 (Helori).	b	NEPZ	Jacob Jones.....b
NEFT	Unadilla.	b	NEQ	Dolphin.....b
NEFZ	Long Beach.	b	NEQF	Montcalm.....b
NEGK	R-18.	b	NEQK	Mahan.....b
NEGD	Luce.	b	NEQL	Oil Barge No. 9.....b
NEGF	Dent.	b	NEQM	H-4.....b
NEGK	R-19.	b	NEQQ	Beaver.....b
NEGS	Fortune.	b	NEQS	Buchanan.....b
NEJB	Eagle 1.	b	NEQT	Tillman.....b
NEJC	Eagle 2.	b	NEQX	Kennison.....b
NEJD	Eagle 3.	b	NEQZ	Claxton.....b
NEJF	Eagle 4.	b	NERB	Gilmer.....b
NEJG	Eagle 5.	b	NERG	Aulick.....b
NEJJ	Eagle 6.	b	NERJ	Craven.....b
NEJK	Eagle 7.	b	NERL	Landsdale.....b
NEJL	Eagle 8.	b	NERQ	Turner.....b
NEJM	Eagle 9.	b	NERR	Gillis.....b
NEJN	Eagle 10.	b	NERS	Upshur.....b
NEJP	Eagle 11.	b	NERT	Greer.....b
NEJQ	Eagle 12.	b	NERV	Elliott.....b
NEJR	Eagle 13.	b	NERX	Roper.....b
NEJS	Eagle 14.	b	NERZ	Breckinridge.....b
NEJT	Eagle 15.	b	NESB	S. P. Lee.....b
NEJV	McGourty (U. S. C. G.).	b	NESC	Relief Lightship No. 49.....c
NEJX	Eagle 17.	b	NESG	Young.....b
NEJZ	Eagle 18.	b	NESJ	H-7.....b
NEK	Delaware.	b	NESM	Breese.....b
NEKB	Eagle 19.	b	NESN	S. P. 1121 (Osborne).....b
NEKC	Scally.	b	NESR	Fathomer.....b
NEKD	Bothwell (U. S. C. G.).	b	NESS	Bernadou.....b
NEKF	Earp.	b	NEST	Cole.....b
NEKG	Eagle 23.	b	NESV	Thatcher.....b
NEKJ	Eagle 24.	b	NESX	Walker.....b
NEKM	S. P. 724 (Fearless).	b	NESZ	Crosby.....b
NEKN	Falcon.	b	NET	Drayton.....b
NEKP	Harbor Tug No. 74.	b	NETB	McFarland.....b
NEKQ	Champlin.	b	NETD	Mahopac.....b
NEKR	Hercules.	b	NETF	Lea.....b
NEKS	S. P. 1015 (Challenge).	b	NETG	H-5.....b
NEKZ	Manhattan (U. S. C. G.).	b	NETJ	O-2.....b
NEL	Lakehurst, N. J.	c	NETK	O-11.....b
NELB	Saratoga.	b	NETL	O-12.....b
NELG	Dorsey.	b	NETQ	Tatnuck.....b
NELK	Pyro.	b	NETS	Meredith.....b
NELL	Nitro.	b	NETT	Bush.....b
NELN	H-8.	b	NETV	Cowell.....b
NELR	Contocook.	b	NETX	Maddox.....b
NELV	Asheville.	b	NETZ	Koka.....b
NELX	Aaron Ward.	b	NEU	Dubuque.....b
NEM	Denver.	b	NEV	Savannah, Ga.....c
NEMC	Medusa.	b	NEVB	Sunadin.....b
NEMD	Sara Thompson.	b	NEVC	Napa.....b
NEMG	Schenck.	b	NEVD	O-14.....b
NEMJ	Herbert.	b	NEVK	Sciota.....b
NEML	Branch.	b	NEVL	Pinola.....b
NEMS	Evans.	b	NEVM	Oriole.....b
NEMT	McKean.	b	NEVP	Algoma.....b
NEMV	Harding.	b	NEVQ	Carabasset.....b
NEMX	Gridley.	b	NEVR	Iuka.....b
NEMZ	Chew.	b	NEVS	Anthony.....b
NEN	Des Moines.	b	NEVT	Sproston.....b
NENG	Israel.	b	NEVV	Rizal.....b
NENJ	Herndon.	b	NEVX	Mackenzie.....b
NENL	Heron.	b	NEVZ	Renshaw.....b
NENM	Dallas.	b	NEX	S. P. 1014 (Sea Rover).....b
NENN	Atlantic.	b	NEXB	Radford.....b
NENS	Hazelwood.	b	NEXC	Keosanqua.....b
NENT	Williams.	b	NEXF	Eagle 26.....b
NENV	Hart.	b	NEXG	Eagle 27.....b
NENX	Ingraham.	b	NEXJ	O-1.....b
NENZ	Ludlow.	b	NEXL	Knudsen.....b
NEO	Stockton.	b	NEXM	Eagle 28.....b
NEP	Dixie.	b	NEXN	Eagle 29.....b
NEPB	Hovey.	b	NEXP	Carr.....b
NEPD	J. D. Long.	b	NEXR	Mugford.....b

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NEXS	O'Bannon	b	NIBZ	Eagle 50
NEXT	Hogan	b	NICB	Eagle 51
NEXV	Stansbury	b	NICC	Eagle 52
NEXX	Hopewell	b	NICD	Eagle 53
NEXZ	Haraden	b	NICF	Eagle 54
NEY	Constellation (old)	b	NICG	Eagle 55
NEZG	Eagle 31	b	NICJ	Eagle 56
NEZJ	Eagle 32	b	NICK	Eagle 57
NEZN	O-13	b	NICL	Eagle 58
NEZP	Tarbell	b	NICM	Eagle 59
NEZQ	Delphy	b	NICN	Eagle 60
NEZR	Gamble	b	NICP	Cygan
NEZS	Abbot	b	NICQ	V-1
NEZT	Clemson	b	NICR	V-2
NEZV	Hatfield	b	NICS	V-3
NEZX	Brooks	b	NICT	V-4
NEZZ	Belknap	b	NICV	V-5
NFD	El Cano	b	NICX	V-6
NFE	Charleston	b	NICZ	V-7
NFH	Smith Island, Wash.	c	NID	Jenkins
NFM	Fanning	b	NIDB	Quigley
NFN	Cattle Point, Wash.	c	NIDC	Stellenwerf
NFR	Florida	b	NIDD	V-8
NFT	{New Dungeness, Wash. (R. C.)	c	NIDF	Despatch
NFU	Port Angeles, Wash. (R. C.)	c	NIDG	Richards
	Nantucket	b	NIDJ	V-9
NFV	Quantico, Va.	c	NIDL	Mehalatos
NFX	Housatonic	b	NIE	Jouett
NFY	Intrepid	b	NIFB	Crane
NFZ	Rainbow	b	NIFC	Ramsay
NGB	Minneapolis	b	NIFD	Ellis
NGC	Boston	b	NIFF	Chauncey
NGD	Galveston	b	NIFG	Fuller
NGE	Miami, Fla.	c	NIFJ	Percival
NGF	Georgia	b	NIFK	Brazos
NGG	Olympia	b	NIFL	Hamilton
NGH	Glacier	b	NIFM	Howard
NGI	Chattanooga	b	NIFN	Thomas
NGJ	Goldsborough	b	NIFP	Neches
NGL	St. Petersburg, Fla.	c	NIFQ	Pecos
NGN	Pensacola	b	NIFR	Torpedo Test Barge No. 1
NGP	Beaufort	b	NIFS	Torpedo Test Barge No. 2
NGQ	Quincy	b	NIFT	Coast Torpedo Boat No. 6
NGR	Bridgeport	b	NIFV	Cyan
NGS	Savannah	b	NIFX	Torpedo Test Barge No. 3
NGT	Mobile, Ala.	c	NIFZ	Torpedo Test Barge No. 4
NGU	Hannibal	b	NIGB	McCook
NGV	Hartford	b	NIGC	McCalla
NGW	Wolverine	b	NIGD	Kalk
NGY	Helena	b	NIGF	Osmund Ingram
NGZ	Houston	b	NIGG	McDermut
NHA	Henley	b	NIGJ	Laub
NHD	Monadnock	b	NIGK	McLanahan
NHF	S. P. 521 (Isabel)	b	NIGL	Edwards
NHH	Ozark	b	NIGM	Greene
NHI	Hancock	b	NIGN	Ballard
NHN	Idaho	b	NIGP	Swasey
NHO	Illinois	b	NIGQ	John Francis Burnes
NHS	Gulfport	b	NIGR	J. Fred Talbot
NHU	Roanoke	b	NIGS	Yarnall
NHV	Iroquois	b	NIGT	Cook
NHW	Kittery	b	NIGV	Marinduque
NHY	Bath	b	NIH	Aylwin
NHZ	Newport News	b	NII	Balch
NIB	Jarvis	b	NIJ	Benham
NIBB	Eagle 33	b	NIJB	Curlew
NIBC	Eagle 39	b	NIJF	Turkey
NIBD	Eagle 34	b	NIJG	Partridge
NIBF	Eagle 40	b	NIJJ	Bobolink
NIBG	Eagle 35	b	NIJK	Lark
NIBJ	Eagle 41	b	NIJL	Pioneer
NIBK	Eagle 36	b	NIJM	Seagull
NIBL	Eagle 42	b	NIJN	Flamingo
NIBM	Eagle 37	b	NIJP	Swan
NIBN	Eagle 38	b	NIJQ	Whippoorwill
NIBP	Eagle 43	b	NIJR	Bittern
NIBQ	Eagle 44	b	NIJS	Sanderling
NIBR	Eagle 45	b	NIJT	Discoverer
NIBS	Eagle 46	b	NIJV	Chewink
NIBT	Eagle 47	b	NIJX	Gannett
NIBV	Eagle 48	b	NIK	Cassin
NIBX	Eagle 49	b	NIKB	Mallard

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NIKC	Ortolan	b	NIPL	S-40
NIKD	Peacock	b	NIPM	S-41
NIKF	Pigeon	b	NIPN	S-42
NIKG	Redwing	b	NIPP	S-43
NIKK	Sandpiper	b	NIPQ	S-44
NIKL	Vireo	b	NIPR	S-45
NIKM	Warbler	b	NIPS	S-46
NIKN	Willet	b	NIPT	S-47
NIKP	Woodcock	b	NIPV	S-48
NIKQ	Quail	b	NIPX	S-49
NIKR	Eider	b	NIPZ	S-50
NIKS	Thrush	b	NIQ	Kentucky
NIKT	Tern	b	NIQB	S. C. 425
NIKV	Cormorant	b	NIQD	S. C. 427
NIKX	Grebe	b	NIQK	S-51
NIKZ	Raven	b	NIQL	S. C. 432
NIL	Cummings	b	NIQP	Johansson
NILB	T-1	b	NIQT	S. C. 439
NILC	R-1	b	NIQV	S. C. 440
NILD	R-2	b	NIQX	S. C. 441
NILF	R-3	b	NIR	Duncan
NILG	R-4	b	NIRB	S. C. 443
NILJ	R-5	b	NIRC	S. C. 443
NILK	R-6	b	NIRL	Whitney
NILL	R-7	b	NIRM	Holland
NILM	R-8	b	NIRN	Wright
NILN	R-9	b	NIRP	Iowa
NILP	R-10	b	NIRQ	Massachusetts
NILQ	R-11	b	NIRR	Marblehead
NILR	R-12	b	NIRS	Indiana
NILS	R-13	b	NIRT	Raleigh
NILT	R-14	b	NIRV	Concord
NILV	R-21	b	NIRX	Canopus
NILX	R-22	b	NIRZ	Denebola
NILZ	R-23	b	NIS	Ericsson
NIM	Cushing	b	NISB	Tingard
NIMB	R-24	b	NISC	Klingelhoefer
NIMC	R-25	b	NISD	Boyce
NIMD	R-26	b	NISG	South Dakota
NIMF	R-27	b	NISJ	Montana
NIMG	S-1	b	NISK	North Carolina
NIMJ	S-2	b	NISL	Omaha
NIMK	S-3	b	NISM	Milwaukee
NIML	S-4	b	NISN	Cincinnati
NIMM	S-5	b	NISP	Detroit
NIMN	S-6	b	NISQ	Richmond
NIMP	S-7	b	NISR	Trenton
NIMQ	S-8	b	NISS	Memphis
NIMR	S-9	b	NIST	Tulsa
NIMS	S-10	b	NISV	Chaumont
NIMT	S-11	b	NISX	Argonne
NIMV	S-12	b	NISZ	Bayspring
NIMX	S-13	b	NIT	McDougal
NIMZ	S-14	b	NITB	Taylor
NIN	Downes	b	NITC	Tampa (U. S. C. G.)
NINB	S-15	b	NITF	Haida (U. S. C. G.)
NINC	S-16	b	NITK	Larsen (U. S. C. G.)
NIND	S-17	b	NITL	Nansemond
NINF	S-18	b	NITQ	Diamond Shoals Light Vessel (L. V. No. 72)
NING	S-19	b	NITR	Relief Light Vessel No. 78
NINJ	S-20	b	NITS	Relief Light Vessel No. 90
NINK	S-21	b	NITV	Cahokia
NINL	S-22	b	NITX	Kickapoo
NINM	S-23	b	NIU	Nicholson
NINN	S-24	b	NIV	O'Brien
NINP	S-25	b	NIVD	Modoc (U. S. C. G.)
NINQ	S-26	b	NIVP	Mascoutin (U. S. C. G.)
NINR	S-27	b	NIVQ	Saukeet (U. S. C. G.)
NINS	S-28	b	NIVR	Tamaroa (U. S. C. G.)
NINT	S-29	b	NIX	Parker
NINV	S-30	b	NIXB	Mohave (U. S. C. G.)
NINX	S-31	b	NIXG	Smith (U. S. C. G.)
NINZ	S-32	b	NIZD	Oveson (U. S. C. G.)
NIO	Kansas	b	NIZJ	Shawnee (U. S. C. G.)
NIP	Kearsarge	b	NJA	Winslow
NIPB	S-33	b	NJB	Louisiana
NIPC	S-34	b	NJD	Allen
NIPD	S-35	b	NJE	Conyngham
NIPF	S-36	b	NJF	Davis
NIPG	S-37	b	NJG	San Domingo City, D. R.
NIPJ	S-38	b	NJI	S. P. 951 (Utowanah)
NIPK	S-39	b		

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NJJ	Weponah.....	b	NNQ	S. P. 813 (Corona).....
NJL	Maine.....	b	NNT	Cape Mala, Panama.....
NJM	Yacona.....	b	NNW	La Palma, Panama.....
NJO	Rappahannock.....	b	NNX	Undaunted.....
NJR	Mars.....	b	NNZ	Buffalo, N. Y.....
NJS	Frederick.....	b	NOA	Osceola.....
NJU	Mayrant.....	b	NOB	Abarenda.....
NJV	Mayflower (President's yacht).....	b	NOBQ	S. C. 23.....
NJW	McCall.....	b	NOC	Orion.....
NJX	Willoughby.....	b	NOD	Cuyama.....
NJV	Port Arthur, Tex.....	c	NODF	S. C. 57.....
NJZ	Michigan.....	b	NODM	S. C. 62.....
NKA	Melville.....	b	NODN	S. C. 63.....
NKB	Galveston, Tex.....	c	NODP	S. C. 64.....
NKC	Navassa Island, W. I.....	c	NODR	S. C. 69.....
NKD	Minnesota.....	b	NODT	S. C. 71.....
NKE	Mississippi.....	b	NOE	Penobscot.....
NKG	S. P. 1116 (Genesee).....	b	NOF	Anacostia, D. C. (naval laboratory).....
NKK	Mercy.....	b	NOFX	S. C. 93.....
NKL	Monaghan.....	b	NOG	Paducah.....
NKM	Missoula.....	b	NOGJ	S. C. 100.....
NKN	Monterey.....	b	NOGL	S. C. 102.....
NKP	S. P. 714 (Galatea).....	b	NOGN	S. C. 104.....
NKQ	Wilkes.....	b	NOGQ	S. C. 106.....
NKR	Rowan.....	b	NOH	Henderson.....
NKS	Sampson.....	b	NOI	Bridge.....
NKT	Schley.....	b	NOJ	Panther.....
NKU	Shaw.....	b	NOJK	S. C. 119.....
NKV	Tucker.....	b	NOJM	S. C. 121.....
NKW	Wadsworth.....	b	NOK	Patterson.....
NKX	Wainwright.....	b	NOKN	S. C. 143.....
NKZ	Navajo.....	b	NOKQ	S. C. 145.....
NLA	Nantucket Shoals Light Vessel (L. V. No. 85).....	c	NOKR	S. C. 147.....
NLC	Frying Pan Shoals Light Vessel (L. V. No. 94).....	c	NOL	Patapsco.....
NLD	Bird Island, Calif. (R. C.).....	c	NOLC	S. C. 154.....
NLE	Commodore.....	b	NOLF	S. C. 156.....
NLF	Kukui.....	b	NOLK	S. C. 159.....
NLG	Point Reyes, Calif. (R. C.).....	c	NOLR	S. C. 177.....
NLH	Point Montara, Calif. (R. C.).....	c	NOM	Patuxent.....
NLI	Grand Island, La. (R. C.).....	c	NOMD	S. C. 185.....
NLJ	Pathfinder.....	b	NOMF	S. C. 186.....
NLK	Bache.....	b	NOMJ	S. C. 188.....
NLL	Columbine.....	b	NOML	S. C. 190.....
NLM	Cypress.....	b	NOMM	S. C. 191.....
NLP	Heald Bank Light Vessel (L. V. No. 81).....	c	NOMN	S. C. 192.....
NLS	Fire Island Light Vessel (L. V. No. 68).....	c	NOMR	S. C. 195.....
NLT	Orchid.....	b	NON	Paulding.....
NLU	Manzanita.....	b	NONN	S. C. 210.....
NLV	Sequoia.....	b	NOO	S. C. 214.....
NLW	Cedar.....	b	NOPF	Porter.....
NLY	Topeka.....	b	NOPG	S. C. 223.....
NLZ	Constitution (old).....	b	NOPN	S. C. 224.....
NMA	Nebraska.....	b	NOPQ	S. C. 229.....
NMC	Vestal.....	b	NOPR	S. C. 231.....
NMD	Point Hueneme, Calif.....	c	NOPZ	S. C. 232.....
NME	New Hampshire.....	b	NOQQ	S. C. 237.....
NMF	New Jersey.....	b	NOQS	S. C. 251.....
NMG	New Orleans.....	b	NORJ	S. C. 263.....
NMH	Newport.....	b	NORK	S. C. 264.....
NMK	Aroostook.....	b	NORR	S. C. 270.....
NML	Shawmut.....	b	NORS	S. C. 271.....
NMN	Charlotte.....	b	NORV	S. C. 273.....
NMO	North Dakota.....	b	NOSC	S. C. 277.....
NMS	Neptune.....	b	NOSD	S. C. 278.....
NMW	Ohio.....	b	NOSL	S. C. 283.....
NMZ	Oregon.....	b	NOSM	S. C. 284.....
NNA	Brutus.....	b	NOSQ	S. C. 287.....
NNB	Jason.....	b	NOT	Pittsburgh.....
NNC	Langley.....	b	NOTB	S. C. 294.....
NND	Kanawha.....	b	NOTG	S. C. 298.....
NNE	Maumee.....	b	NOTJ	S. C. 299.....
NNF	Nereus.....	b	NOTN	S. C. 303.....
NNG	Proteus.....	b	NOTQ	S. C. 305.....
NNH	Leonidas.....	b	NOTR	S. C. 306.....
NNI	St. Croix, V. I.....	c	NOTT	S. C. 308.....
NNK	Nanshan.....	b	NOTX	S. C. 310.....
NNL	Coco Solo, Canal Zone.....	c	NOVC	S. C. 320.....
NNM	Saturn.....	b	NOVL	S. C. 326.....
			NOVN	S. C. 328.....
			NOVQ	S. C. 330.....
			NOVS	S. C. 332.....

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.	Call.	Station.
NOW	Peoria.....b	NRW	Comanche (U. S. C. G.).....b
NOX	Perkins.....b	NRX	Unalga (U. S. C. G.).....b
NOXF	S. C. 340.....b	NRY	Yamacraw (U. S. C. G.).....b
NOXG	S. C. 341.....b	NSC	Port au Prince, Haiti.....c
NOXS	S. C. 353.....b	NSD	Bethany Beach, Del. (R. C.).....c
NOZC	S. C. 408.....b	Cape Henlopen, Del. (R. C.).....c	
NOZD	S. C. 409.....b	Cape May, N. J. (R. C.).....c	
NOZJ	S. C. 412.....b	Cape May, N. J. (R. C.).....c	
NOZK	S. C. 413.....b	NSE	Tennessee.....b
NOZR	S. C. 419.....b	NSF	Anacostia, D. C.....c
NOZZ	S. C. 424.....b	NSH	Manley.....b
NPA	Cordova, Alaska.....c	NSI	Caldwell.....b
NPB	Sitka, Alaska.....c	NSJ	Washington, D. C. (laboratory).....c
NPC	Puget Sound, Wash. (Bremerton).....c	NSM	{Alpena, Mich.....c
NPD	Tatoosh, Wash.....c	Thunder Bay Island, Mich. (R. C.).....c	
NPE	Tatoosh, Wash. (R. C.).....c	NSN	Conner.....b
NPF	Fort Stevens, Oreg. (R. C.).....c	NSP	Arapho.....b
NPG	North Head, Wash.....c	NSS	Annapolis, Md.....c
NPH	Ocean Park, Wash. (R. C.).....c	NST	Solace.....b
NPI	Empire, Oreg. (R. C.).....c	NSU	Vixen.....b
NPJ	Marshfield, Oreg.....c	NSW	South Carolina.....b
NPK	San Francisco, Calif.....c	NSX	Huron.....b
NPL	Vladivostok, Russia.....c	NSZ	Cumberland.....b
NPM	Farrallon Island, Calif. (R. C.).....c	NTA	Ontario.....b
NPN	Shanghai, China (receiving only).....c	NTB	Sterrett.....b
NPP	Point Arguello, Calif. (R. C.).....c	NTD	S. P. 1161 (Francis B. Hackett).....b
NPQ	Imperial Beach, Calif. (R. C.).....c	NTF	Saint Louis.....b
NPR	Point Loma, Calif. (R. C.).....c	NTG	Sonoma.....b
NPS	San Diego, Calif.....c	NTL	Sylph.....b
NPT	Honolulu, Hawaii (Heeia Point).....c	NTN	Fairfax.....b
NPN	(Monolulu, Hawaii (Pearl Harbor).....c	NTO	Mohave.....b
NPO	Guam, Guam Island.....c	NTP	Salem.....b
NPP	Cavite, P. I.....c	NTQ	San Francisco.....b
NPQ	Pekin, China.....c	NTR	Rochester.....b
NPR	St. Paul, Alaska.....c	NTT	Scorpion.....b
NPS	Dutch Harbor, Alaska.....c	NTX	Rhode Island.....b
NPT	Kodiak, Alaska.....c	NTZ	Roe.....b
NPU	Olongapo, P. I.....c	NUA	Tacoma.....b
NPV	Tutuila, Samoa.....c	NUB	Manistique, Mich.....c
NPW	Seward, Alaska.....c	NUBB	S. P. 43 (Daraga).....b
NPX	Eureka, Calif.....c	NUBC	S. P. 909 (Eaglet).....b
NPY	Eureka, Calif. (R. C.).....c	NUBK	S. P. 54 (Patrol No. 6).....b
NQF	Point Fermin, Calif. (R. C.).....c	NUBM	Vesuvius.....b
NQK	San Pedro, Calif.....c	NUBR	S. P. 3297 (Winthrop).....b
NQL	St. George, Alaska.....c	NUBS	S. P. 726 (Orca).....b
NQM	Pompey.....b	NUBT	S. P. 522 (Chas. Mann).....b
NQP	Potomac.....b	NUC	Tallahassee.....b
NQQ	Machias.....b	NUCF	Lilac.....b
NQR	Prairie.....b	NUCG	S. P. 573 (Easthampton).....b
NQS	S. P. 524 (Margaret).....b	NUCJ	S. P. 1234 (Cigarette).....b
NQT	Monocacy.....b	NUCK	S. P. 765 (Adelante).....b
NQU	Prometheus.....b	NUCR	S. P. 680 (Ardent).....b
NQV	Palos.....b	NUCS	S. P. 642 (Felicia).....b
NQW	Pampanga.....b	NUCT	S. P. 265 (Pocomoke).....b
NQZ	Surveyor.....b	NUCX	S. P. 214 (Edithia).....b
NRA	Sacramento.....b	NUCZ	S. P. 249 (Hauoli).....b
NRB	New Mexico.....b	NUDF	Mackinac Island, Mich.....c
NRC	Quiros.....b	NUDG	S. P. 179 (Privateer).....b
NRD	Algonquin (U. S. C. G.).....b	NUDK	Ranger.....b
NRE	Bear (U. S. C. G.).....b	NUDR	S. P. 2373 (Herreshoff Hull No. 322).....b
NRF	Morrill (U. S. C. G.).....b	NUFB	Apo.....b
NRG	Androscoggin (U. S. C. G.).....b	NUFG	S. P. 707 (Endion).....b
NRH	Seneca (U. S. C. G.).....b	NUFL	Mohawk.....b
NRJ	Snohomish (U. S. C. G.).....b	NUFM	S. P. 399 (Legonia).....b
NRK	Gresham (U. S. C. G.).....b	NUFN	S. P. 888 (John L. Lawrence).....b
NRL	Cleveland, Ohio.....b	NUFP	Sunflower.....b
NRM	Itasca (U. S. C. G.).....b	NUFZ	S. P. 1149 (Barnett).....b
NRN	Ossipee (U. S. C. G.).....b	NUG	S. P. 185 (Clarinda).....b
NRQ	Puerto Obaldia, Panama.....c	NUGB	Eagle Harbor, Mich.....c
NRR	Tuscarora (U. S. C. G.).....b	NUGD	S. P. 3218 (Resolute).....b
NRU	Cape Hinchinbrook, Alaska (R. C.).....c	NUGG	Mackinac.....b
NRV	Manning (U. S. C. G.).....b	NUGJ	Natoma.....b
	Onondaga (U. S. C. G.).....b	NUGK	Alameda.....b
	Detroit, Mich.....c	NUGL	Kaweah.....b
	Pamilco (U. S. C. G.).....b	NUGM	Laramie.....b
	Seminole (U. S. C. G.).....b	NUGN	Mattole.....b
	Little.....b	NUGP	Patoka.....b
	Acushnet (U. S. C. G.).....b		Ramapo.....b
	Tallapoosa (U. S. C. G.).....b		

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NUGQ	Rapidan	b	NUNZ	Nicholas
NUGR	Salinas	b	NUPC	John D. Edwards
NUGS	Sapelo	b	NUPD	Parrott
NUGT	Sepulga	b	NUPF	Lardner
NUGV	Tippecanoe	b	NUPG	Putnam
NUGX	Trinity	b	NUPJ	Pequot (U. S. C. G.)
NUH	Pawnee	b	NUPK	Coghlan
NUI	Terry	b	NUPL	Sicard
NUJ	Pawtucket	b	NUPM	Edsall
NUJD	Abel P. Upshur	b	NUPN	Bulmer
NUJF	Hunt	b	NUPP	Sirius
NUJG	George E. Badger	b	NUPQ	Billingsley
NUJJ	Smith Thompson	b	NUPR	Charles Ausburne
NUJK	Barker	b	NUPS	Bruce
NUJL	Tracy	b	NUPT	MacLeish
NUJM	James K. Paulding	b	NUPV	Pruitt
NUJN	Overton	b	NUPX	Simpson
NUJP	Sturtevant	b	NUPZ	McCormick
NUJQ	Henshaw	b	NUQ	Trippé
NUJR	Meyer	b	NUQB	Popé
NUJS	Doven	b	NUQC	Osborne
NUJT	La Vallette	b	NUQD	Feary
NUJV	Shirk	b	NUQF	Goff
NUJX	Kidder	b	NUQG	Pillsbury
NUJZ	Selfridge	b	NUQJ	Ford
NUK	Milwaukee, Wis.	c	NUQK	Truxton
NUKB	Robert Smith	b	NUQL	Bainbridge
NUKC	Wasmuth	b	NUQM	Hopkins
NUKD	Hulbert	b	NUQN	Paul Jones
NUKF	Noa	b	NUQP	Barry
NUKK	Humphreys	b	NUQQ	Lawrence
NUL	Pentucket	b	NUQR	MacDonough
NULD	Harbor Tug No. 63	b	NUQS	Perry
NULG	Harbor Tug No. 67	b	NUQT	Hull
NULJ	Welborn C. Wood	b	NUQV	Decatur
NULK	Alden	b	NUQX	Sumner
NULL	Borie	b	NUQZ	Corry
NULM	Kane	b	NUR	Chicago, Ill.
NULN	Childs	b	NURC	Melvin
NULP	King	b	NURD	Spica
NULQ	Sands	b	NURF	Procyon
NULR	Sinclair	b	NURG	Rigel
NULS	McCawley	b	NURJ	Altair
NULT	Moody	b	NURK	Elder
NULV	Sharkey	b	NUT	Rocket
NULX	Toucey	b	NUU	Samoset
NULZ	Breck	b	NUV	Sebago
NUMB	Zeilin	b	NUW	Soapstone Point, Alaska (R. C.)
NUMC	Yarborough	b	NUX	Duluth, Minn.
NUMD	Sloat	b	NUZ	Astoria, Oreg.
NUMF	Wood	b	NVA	Traffic
NUMG	Marcus	b	NVC	Triton
NUMJ	Mervine	b	NVD	Juneau, Alaska
NUMK	Chase	b	NVE	Utah
NUML	Mullaney	b	NVF	Uncas
NUMM	Litchfield	b	NVH	Ketchikan, Alaska
NUMN	Zane	b	NVI	Wahneta
NUMP	Trever	b	NVJ	Wompatuck
NUMQ	William B. Preston	b	NVK	Vermont
NUMR	Harbot Tug No. 68	b	NVL	Seattle, Wash.
NUMS	S. P. 681 (Breakwater)	b	NVN	Vicksburg
NUMT	Harbor Tug No. 64	b	NVP	Villalobos
NUMV	Mansfield	b	NVR	Virginia
NUMX	Harbor Tug No. 61	b	NVS	Farragut
NUMZ	Kankakee (U. S. C. G.)	b	NVT	Vulcan
NUN	Tonopah	b	NVU	Bagley
NUNB	Yocona (U. S. C. G.)	b	NVV	Barney
NUNC	Lamson	b	NVW	Biddle
NUND	Dale	b	NVX	Blakely
NUNF	Flusser	b	NVZ	Dahlgren
NUNG	Preble	b	NWB	De Long
NUNJ	Preston	b	NWC	Dupont
NUNK	Reid	b	NWD	Warrington
NUNL	Whipple	b	NWE	Washington
NUNM	Worden	b	NWF	Foote
NUNN	Stewart	b	NWG	Huntington
NUNQ	United States	b	NWH	Wheeling
NUNR	Dobbin	b	NWJ	Fox
NUNS	Williamson	b	NWK	Wilmington
NUNT	Reuben James	b	NWL	Walke
NUNV	Isherwood	b	NWM	Wisconsin
NUNX	Case	b	NWQ	Wyoming

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NWS	Morris.....	b	WUJ	Fort Sam Houston, Tex.....
NWT	Rodgers.....	b	WUK	Fort Stevens, Oreg.....
NWU	Shubrick.....	b	WUL	Fort Totten, N. Y.....
NWV	Somers.....	b	WUN	Fort Worden, Wash.....
NWX	Thornton.....	b	WUO	Fort Winfield Scott, Calif.....
NWY	Tingey.....	b	WUQ	Washington, D. C. (laboratory).....
NXA	(Chatham, Mass.).....	c	WUR	Fort Morgan, Ala.....
NXP	(Chatham, Mass. (R. C.)).....	c	WUS	Fort Rosecrans, Calif.....
NXQ	D-1.....	b	WUT	Fort Caswell, N. C.....
NXR	D-2.....	b	WUU	Fort Adams, R. I.....
NXS	D-3.....	b	WUV	Livengood, Alaska.....
NXT	E-1.....	b	WUW	Fort Terry, N. Y.....
NXU	E-2.....	b	WUX	Fort Crockett, Tex.....
NXV	Azalea.....	b	WUY	Fort San Jacinto, Tex.....
NXW	F-2.....	b	WUZ	Fort Brown, Tex.....
NXX	F-3.....	b	WVA	Circle, Alaska.....
NXZ	Tulip.....	b	WVB	Fairbanks, Alaska.....
NYA	G-2.....	b	WVC	Fort Egbert, Alaska.....
NYB	G-3.....	b	WVD	Fort Gibbon, Alaska.....
NYD	G-4.....	b	WVE	Fort St. Michael, Alaska.....
NYE	H-2.....	b	WVF	Kotlik, Alaska.....
NYF	H-3.....	b	WVG	Nome, Alaska.....
NYG	K-1.....	b	WVH	Nulato, Alaska.....
NYH	K-2.....	b	WVJ	Wrangell, Alaska.....
NYI	K-3.....	b	WVK	Holy Cross, Alaska.....
NYJ	K-4.....	b	WVL	Fort Frank, P. I.....
NYK	K-5.....	b	WVM	Noorvik, Alaska.....
NYL	K-6.....	b	WVN	Fort Mills, P. I.....
NYM	K-7.....	b	WVO	Boston, Mass.....
NYN	K-8.....	b	WVP	Governors Island, N. Y.....
NYO	L-1.....	b	WVQ	Fort Howard, Md.....
NYP	L-2.....	b	WVR	Fort McPherson, Ga.....
NYQ	L-3.....	b	WVS	Fort Benjamin Harrison, Ind.....
NYR	L-4.....	b	WVT	Chicago, Ill.....
NYS	L-5.....	b	WVU	Fort Omaha, Nebr.....
NYT	L-6.....	b	WVV	Jefferson Barracks, Mo.....
NYU	L-7.....	b	WVW	Fort D. A. Russel, Wyo.....
NYV	L-8.....	b	WVX	Fort Douglas, Utah.....
NYW	L-9.....	b	WVY	San Francisco, Calif. (Presidio of San Francisco).....
NYX	L-10.....	b	WWO	Cleveland, Ohio.....
NYY	L-11.....	b	WWQ	Bellefonte, Pa.....
NZA	M-1.....	b	WWU	Hempstead, N. Y.....
NZC	Mohican.....	b	WWV	Washington, D. C. (laboratory).....
NZD	Bushnell.....	b	WWX	Washington, D. C.....
NZE	Fulton.....	b	WXA	Buford.....
NZF	N-1.....	b	WXB	Crook.....
NZG	N-2.....	b	WXD	Meigs.....
NZH	N-3.....	b	WXE	Liscum.....
NZI	N-4.....	b	WXF	Logan.....
NZJ	N-5.....	b	WXG	Fort Washington, Md.....
NZK	N-6.....	b	WXI	Merritt.....
NZO	N-7.....	b	WXJ	Sheridan.....
NZQ	Annapolis, Md. (laboratory).....	c	WXX	Sherman.....
NZR	Mayflower (L. H. tender).....	b	WXL	Iditarod, Alaska.....
NZT	Cayey, P. R. (El Cayey).....	c	WXM	Thomas.....
NZU	(Grand Marias, Mich. (R. C.)).....	c	WXN	Warren.....
NZV	(Whitefish Point, Mich. (R. C.)).....	c	WXO	Craig, Alaska.....
NZW	Detour Point, Mich. (R. C.)).....	c	WXP	Fort Travis, Tex.....
NZZ	Folly Island, S. C. (R. C.)).....	c	WXQ	Morgan-Lewis.....
WJI	North Island, S. C. (R. C.)).....	c	WXR	Burnside.....
WUA	Zizania.....	b	WXS	Slocum.....
WUAB	Atka Island, Alaska.....	c	WXT	Joseph Henry.....
WUAC	Fort Andrews, Mass.....	c	WXU	Navesink.....
WUAD	Cadmus.....	b	WXV	McGrath, Alaska.....
WUAE	Gypsum Prince.....	b	WXW	General John M. Schofield.....
WUAJ	Gwalla.....	b	WXX	Fort Yukon, Alaska.....
WUAK	Tacony.....	b	WXY	Washington, D. C. (laboratory).....
WUAL	Manila, P. I.....	c	WXZ	Fort Storey, Va.....
WUB	Fort Wint, P. I.....	c	WYA	Gen. Royal T. Frank.....
WUBA	Fort Drum, P. I.....	c	WYB	Gen. S. M. Mills.....
WUBD	Fort Hancock, N. J.....	c	WYBA	Gen. Absalom Baird.....
WUBC	Camp Alfred Vail, N. J.....	c	WYBB	Gen. J. Franklin Bell.....
WUC	Fort Sill, Okla.....	c	WYBC	Cyrus W. Field.....
WUCA	Camp Knox, Ky.....	c	WYBD	Gen. William M. Graham.....
WUCB	Fort H. G. Wright, N. Y.....	c	WYBE	Col. George F. E. Harrison.....
WUE	Camp Stotsenburg, P. I.....	c	WYBF	Gen. Edmund Kirby.....
WUF	Camp John Hay, P. I.....	c	WYBG	Gen. Wallace F. Randolph.....
WUG	Fort Levett, Me.....	c	WYBH	Gen. John P. Story.....
WUH	Fort Monroe, Va.....	c	WYBI	Col. Albert Todd.....
WUI	Camp Marfa, Tex.....	c	WYBJ	Col. Garland N. Whistler.....
	Laredo, Tex.....	c	WYBK	Col. John V. White.....

## 100 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
WYBL	Poe.....	b	WYM	Capt. James Fornance.....
WYBM	Capt. Samuel C. Cardwell.....	b	WYN	Reno.....
WYBN	Capt. Fred L. Perry.....	b	WYO	Maj. Evan Thomas.....
WYBO	Capt. Edwin C. Long.....	b	WYP	Capt. Gregory Barrett.....
WYBP	Capt. Edward P. Nones.....	b	WYQ	Maj. Albert G. Forse.....
WYBQ	Lieut. Harold G. Douglas.....	b	WYR	Lieut. Geo. M. Harris.....
WYBR	Lt. Col. Robert C. Gildart.....	b	WYS	Gen. G. W. Getty.....
WYBT	Maj. Carl A. Lohr.....	b	WYT	Capt. A. M. Wetherill.....
WYBU	Maj. Lester E. Moreton.....	b	WYU	Gen. Robert W. Swartout.....
WYBV	Maj. Albert G. Jenkins.....	b	WYV	Gen. S. B. Holabird.....
WYBW	Maj. William P. Pence.....	b	WYW	Gen. R. H. Jackson.....
WYBX	Maj. John W. McKie.....	b	WYX	Tien-Tsin, China.....
WYBY	Capt. Clarence M. Condon.....	b	WYY	Gen. Richard Arnold.....
WYC	Maj. Samuel Ringgold.....	b	WYZ	Capt. T. M. Morrison.....
WYCA	Cuba.....	b	WZA	Fort Screven, Ga.....
WYD	Gen. Henry J. Hunt.....	b	WZC	Fort Whitman, Wash.....
WYDA	St. Louis, Mo.....	c	WZD	Fort Barrancas, Fla.....
WYBD	Memphis, Tenn.....	c	WZE	Fort Constitution, N. H.....
WYDC	New Orleans, La.....	c	WZF	Fort Moultrie, S. C.....
WYDD	Natchez.....	b	WZH	Port Eads, La.....
WYDE	Vicksburg.....	b	WZJ	Fort Casey, Wash.....
WYDF	Cairo.....	b	WZK	Fort Dade, Fla.....
WYDG	St. Louis.....	b	WZN	Fort Du Pont, Del.....
WYDH	New Orleans.....	b	WZO	Fort Bliss, Tex.....
WYDI	Baton Rouge.....	b	WZP	Fort Huachuca, Ariz.....
WYDJ	Memphis.....	b	WZQ	Gen. Timothy Pickering.....
WYE	Gen. Henry Knox.....	b	WZR	Gen. Nathaniel Greene.....
WYF	Gen. E. O. C. Ord.....	b	WZS	Henry Wilson.....
WYG	Col. George Armistead.....	b	WZT	Gen. George H. Weeks.....
WYH	Gen. Robert Anderson.....	b	WZU	Sprigge Carroll.....
WYI	Capt. Charles W. Rowell.....	b	WZV	Gen. J. M. Brannan.....
WYJ	Gen. A. M. Randolph.....	b	WZW	Gen. R. N. Batchelder.....
WYK	Gen. Harvey Brown.....	b	WZX	Gen. Mifflin.....
WYL	Gen. R. B. Ayres.....	b	WZY	Maj. Guy Howard.....
			WZZ	San Pedro.....

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of June 15, 1919, only.]

Station.	Call signal.	Wave lengths.	Station controlled by—
Abilene, Tex.	5YN	200, 375.....	Simmons College.
Abilene, Tex.	5ZAX	200, 375.....	Eugene W. Wood, 340 Butternut St.
Agricultural College, Miss.	5YD	200, 375.....	Mississippi Agricultural and Mechanical College.
Agricultural College, N. Dak.	9YG	200, 375.....	North Dakota Agricultural College.
Alameda, Calif.	6XA	Variable.....	H. H. Hyder, 1304 Versailles St.
Albuquerque, N. Mex.	5YQ	200, 375.....	University of New Mexico.
Alexandria, La.	5ZD	200, 375.....	Frank B. Beuhler.
Alliance, Ohio.	8YT	200, 375.....	Mount Union College.
Amarillo, Tex.	5ZH	200, 375.....	J. Laurance Martin, 605 E. 4th St.
Ames, Iowa.	9YI	200, 375.....	Iowa State College.
Ann Arbor, Mich.	8XA	200, 375.....	University of Michigan.
Anthony, Kans.	9ZAC	200, 375.....	T & H Radio Co.
Asheville, N. C.	4ZD	200, 375.....	Piedmont Electric Co.
Ashland, Ohio.	8ZN	200, 375.....	J. W. Kauffman.
Athol, Mass.	1XP	160, 400.....	Leon W. Bishop, 160 Cottage St.
Atlanta, Ga.	4XA	200, 275, 375.....	Emory University.
Atlanta, Ga.	4XC	200, 375.....	B. W. Benning, 50 Whiteford Ave.
Atlanta, Ga.	4XF	200, 275, 325, 340.....	Charles L. Pierce.
Atlanta, Ga.	4XH	200, 275, 325, 340.....	H. E. Bussey, 76 E. 5th St.
Atlanta, Ga.	4XI	200, 275.....	Technological High School.
Atlanta, Ga.	4YA	200, 375.....	Georgia School of Technology.
Atlanta, Ga.	4YJ	200, 375.....	Knights of Columbus School.
Atlanta, Ga.	4ZB	200, 375.....	Georgia Railway & Power Co.
Auburn, Ala.	5XA	200, 250, 375.....	Alabama Polytechnic Institute.
Auburn, N. Y.	8YA	200, 375.....	Edward L. Colby (Colby's Telegraph School).
Austin, Tex.	5XU	200, 375, 425.....	University of Texas.
Austin, Tex.	5XX	Variable.....	Tom L. Gray, 3908 Ave. F.
Austin, Tex.	5ZAG	200, 375.....	George E. Endress, 711 W. 23d St.
Austin, Tex.	5ZU	200, 375.....	Wesley Hope Tilley, 4112 Ave. F.
Avalon, Calif.	6XAD	Variable.....	Lawrence Mott.
Bakersfield, Calif.	6ZS	200, 375.....	Lindley Winser, 200 22d St.
Bala, Pa.	3ZA	200, 325.....	Charles A. Service, jr.
Baltimore, Md.	3XAA	175, 375.....	E. Craig Densten.
Baltimore, Md.	3XG	345, 385, 400, 420.....	Johns Hopkins University.
Baltimore, Md.	3XT	175, 375.....	Louis E. Richwien, 208 Harmison St.
Baltimore, Md.	3XX	200, 375.....	R. Selway Collmus.
Baltimore, Md.	3YH	200.....	Y. M. C. A. Radio School.
Baltimore, Md.	3YR	375.....	Polytechnic Institute, City of Baltimore.
Baltimore, Md.	3ZN	200, 375.....	Harold A. Hogan.
Baltimore, Md.	3ZU	200, 375.....	Southern Wireless Institute.
Bangor, Me.	1XG	275, 375.....	Bangor Railway & Electric Co.
Barnesville, Ohio.	8ZAC	200, 375.....	Clifford H. Galloway.
Baton Rouge, La.	5ZAC	200, 375.....	Wilmer L. Barrow, 918 Convention St.
Battle Creek, Mich.	8YN	200, 375.....	Battle Creek High School.
Baudette, Minn.	9ZC	200, 375.....	John A. Gjelhaug.
Bay St. Louis, Miss.	5ZAU	200, 375.....	Hubert E. De Ben, Front St.
Bear Creek, Mont.	7ZG	200, 375.....	Winfred E. Slauson.
Bellefonte, Ill.	9XX	200, 375.....	Charles B. Harrison.
Belmar, N. J.	2XAO	Variable.....	Radio Corporation of America.
Berkeley, Calif.	6XX	Variable.....	Bernard F. McNamee, 2436 Stuart St.
Berkeley, Calif.	6XM	Variable.....	University of California.
Berkeley, Calif.	6ZAF	200, 375.....	A. H. Babcock, 65 Market St.
Berkeley, Calif.	6ZQ	200, 375.....	Fred L. Wismer, 1906 Chestnut St.
Biloxi, Miss.	5ZAH	200, 375.....	Hubert S. Ogden.
Birmingham, Ala.	5XC	200, 375.....	Alabama Power Co.
Birmingham, Ala.	5ZAS	200, 375.....	John C. Bell, 1128 11th St., N. Birmingham, Ala.
Birmingham, Ala.	5ZI	200, 375.....	John M. Wilder, 1311 N. 14th St.
Blacksburg, Va.	3XN	200, 375, va- riable.	Virginia Polytechnic Institute.
Blackwell, Okla.	5ZZ	200, 375.....	Schonwald Bros.
Bloomington, Ind.	9YAG	200, 375.....	Indiana University (Dept. of Physics).
Bloomington, Ill.	9YS	200, 375.....	Illinois Wesleyan University.
Boise, Idaho.	7YA	200, 375.....	Ind. School Dist., Boise City, Boise High School.
Boston, Mass.	1XAF	Variable.....	Edison Electric Illuminating Co. of Boston.
Boston, Mass. (portable)	1XAG	Variable.....	Do.
Boston, Mass.	1YC	200.....	Eastern Radio Institute.
Boston, Mass.	1YS	200, 375.....	Massachusetts Radio & Telegraph School.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Boulder, Colo.	9XAQ	200, 375, variable.	University of Colorado.
Bozeman, Mont.	7XB	200, 375.	Montana State College.
Bozeman, Mont.	7ZD	200, 375.	R. Earl Dawes.
Bridgeport, Pa.	3XAE	255, 375.	Diamond State Fibre Co.
Brookline, Mass.	1XA	75, 350.	James C. Ramsey, 369 Tappan St.
Brooklyn, N. Y.	2XT	Variable.	Lowenstein Radio Co.
Brownwood, Tex.	5XF	200, 375, variable.	Howard Payne College.
Buena Vista, Ga.	4XE	200, 375.	William B. Short.
Buena Vista, Va.	3ZAA	200, 375.	J. Frank Kay, Walnut St.
Buffalo, N. Y.	8XAD	200, 250, 375.	Federal Telephone & Telegraph Co.
Buffalo, N. Y.	8ZM	200, 375.	Cyrus H. Fraser, 48 Glenwood Ave.
Burrwood, La.	5XE	Variable.	Tropical Radio Telegraph Co.
Byron, Ill.	9ZG	200, 375.	Albert C. Mertz.
Cambridge, Mass.	1XAB	Variable.	Clapp-Eastham Co., 139 Main St.
Cambridge, Mass.	1XJ	Variable.	Harvard University.
Cambridge, Mass.	1XM	Variable.	Massachusetts Institute of Technology.
Cambridge, Mass.	1XO	Variable.	General Radio Co.
Camden, N. J.	3YQ	200, 375.	Federal Institute of Radio Telegraphy.
Canton, Ohio	8ZV	200, 375.	Henry L. Ley, 619 4th St.
Casper, Wyo.	7ZO	200, 375.	Norman R. Hood, 1022 S. Ash St.
Cedar Grove, N. J.	2ZE	100, 150, 200, 375.	Paul F. Godley.
Charlotte, N. C.	4XD	245, variable.	F. M. Laxton, Belvedere Ave.
Charlottesville, Va.	3XAB	200, 375, variable.	Virginia Radio Co.
Chicago, Ill.	9XAM	Variable.	City of Chicago (department of electricity).
Chicago, Ill. (portable)	9XB	350-450.	City of Chicago, 614 City Hall.
Chicago, Ill.	9XG	375, variable.	Austin A. Howard.
Chicago, Ill.	9YE	200, 375.	Tilden Technical High School.
Chicago, Ill.	9YL	200, 375.	Armour Institute of Technology.
Chicago, Ill.	9ZN	200, 375.	Ralph H. G. Mathews, 6433 Ravenswood Ave.
Cincinnati, Ohio	8XAH	150-550.	Ohio Mechanics Institute.
Cincinnati, Ohio	8XAJ	1650.	Union Gas & Electric Co.
Cincinnati, Ohio	8XB	200, 375.	Precision Equipment Co.
Cincinnati, Ohio	8YAC	200, 375.	St. Xavier College.
Cincinnati, Ohio	8YAD	200, 375.	C. M. Howe.
Cincinnati, Ohio	8YS	200, 375.	University of Cincinnati (dept. of physics).
Cincinnati, Ohio	8YX	200, 375.	University of Cincinnati (dept. of electrical engineering).
Cincinnati, Ohio	8ZH	200, 375.	Cino Radio Manufacturing Co.
Clarinda, Iowa	9ZAA	200, 375.	Farmers Mutual Telephone Co.
Cleveland, Ohio	8XT	Variable.	Cleveland Electric Illuminating Co.
Cleveland, Ohio	8ZP	200, 375.	Edward I. Deighan, 5415 Hermann Ave.
Cliffwood, N. J.	2XF	350-450.	Western Electric Co.
Clinton, Md.	3XE	200, 425.	W. W. Conners.
Cochise, Ariz.	6ZC	200, 375.	Dr. J. B. Ellis, Box 24, Rancho de Casa Loma.
College Station, Tex.	5XB	200, 375, variable.	Agricultural & Mechanical College of Texas (dept. of electrical engineering).
College Station, Tex.	5ZP	200, 375.	Ralph E. Smith.
Collegeville, Minn.	9XT	200, 375.	St. Johns University.
Colorado Springs, Colo.	9XC	200, 375.	Colorado College.
Columbia, Mo.	9YM	200, 375.	University of Missouri.
Columbus, Ohio	8XJ	200, 375.	Ohio State University. Do.
Columbus, Ohio	8YO	200, 375.	Robert C. Bohannan, 1918 Indianola Ave.
Columbus, Ohio	8ZAF	200, 375.	Loren G. Windom, 1375 Franklin Ave.
Columbus, Ohio	8ZO	200, 375.	Arthur C. West.
Commerce, Tex.	5ZAM	200, 375.	Conway Radio Laboratories.
Conway, Ark.	5XAC	200, 375.	Oregon Agricultural College.
Corvallis, Oreg.	7XH	Variable.	Aloysius A. Kubiae.
Craddock, Va.	3ZZ	200, 375.	Doane College.
Crete, Nebr.	9YU	200, 375.	Culver Military Academy.
Culver, Ind.	9YQ	200, 375.	City of Dallas, police and fire signal department.
Dallas, Tex.	5ZAQ	200, 375.	Kendall Brothers, 3301 Wellborn St.
Dallas, Tex.	5ZAW	200, 375.	A. H. Belo & Co.
Dallas, Tex.	5ZAY	200, 375.	Frank M. Corlett.
Dallas, Tex.	5ZC	200, 250, 350, 375.	Karlowa Radio Corp.
Davenport, Iowa	9XAC	Variable.	William H. Kirwan, 1416 W. Pleasant St.
Davenport, Iowa	9XE	Variable.	Saint Ambrose College.
Davenport, Iowa	9YAP	200, 375, 410	Young Men's Christian Association.
Dayton, Ohio	8YU	200, 375.	Western Electric Co.
Deal Beach, N. J.	2XJ	350-450.	Henry Ford.
Dearborn, Mich.	8XD	460, 480, 500, 520.	Thurston Hatcher.
Decatur, Ga.	4ZF	200, 250, 375.	K. A. Duerk, 1000 Wilhelm St.
Defiance, Ohio	8ZY	200, 375.	Henry M. Neely.
Delanco, N. J.	3XP	250.	Ohio Wesleyan University.
Delaware, Ohio	8YK	200, 375.	Harry H. Buckwalter.
Denver, Colo.	9XAG	200, 375, 450, 750.	

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Denver, Colo.....	9YAL	200, 375.....	Y. M. C. A. Radio Teleg. and Telep. School.
Denver, Colo.....	9ZAF	200, 375.....	William D. Reynolds.
Denver, Colo.....	9ZD	200, 375.....	Edward C. Stockman.
Des Moines, Iowa.....	9YAO	200, 375.....	Des Moines University.
Detroit, Mich.....	8XO	360.....	Detroit News.
Detroit, Mich.....	8YAF	200, 375.....	University of Detroit.
Douglas, Ariz.....	6ZZ	200, 375.....	Harry L. Gooding, Box 175
Douglas, Wyo.....	7ZV	200, 375.....	Felix Thompson.
Dover, Ohio.....	8ZX	200, 375.....	Harry S. Weber.
Dublin, Tex.....	5XJ	200, 375, va- riable.	Guy W. Neel.
Dubuque, Iowa.....	9ZA	200, 375.....	Clifford W. Patch.
Dunmore, Pa.....	8ZQ	200, 375.....	Roy C. Ehrhardt.
Eagle Pass, Tex.....	5ZN	200, 375.....	Ed. Nettleton.
Eagle Rock, Calif.....	6ZAL	200, 375.....	Olivar S. Garrettson.
East Cleveland, Ohio.....	8YD	200, 375.....	Shaw Technical School.
East Lansing, Mich.....	8YG	200, 375.....	Michigan Agricultural College.
Easton, Pa.....	3YO	200, 375.....	Lafayette College.
East Palestine, Ohio.....	8ZJ	200, 375.....	R. D. McCommon, 268 N. Market St.
East St. Louis, Ill.....	9ZAG	200, 375.....	Boy Scouts of America.
Elk, Wyo.....	7ZE	200, 375.....	Harold Prescott Sheard.
Ellendale, N. Dak.....	9ZX	200, 375.....	H. J. Goddard and E. S. Leavenworth.
Ellsworth, Me.....	1XC	275, 375.....	Bangor Railway and Electric Co.
El Paso, Tex.....	5ZAD	200, 375.....	A. LeRoy Hill, 811 North Oregon St.
El Paso, Tex.....	5ZAR	200, 375.....	Elite Electric Shop.
Emporia, Kans.....	9YAA	200, 375.....	College of Emporia.
Enid, Okla.....	5ZM	200, 375.....	Charles E. Whartenby.
Enterprise, Oreg.....	7ZH	200, 375.....	Orland M. Heacock.
Eugene, Oreg.....	7YB	200, 375.....	University of Oregon (dept. of physics).
Evanston, Ill.....	9YH	200, 375.....	Evanston High School.
Evansville, Ind.....	9XAH	200, 210, 375.....	Ideal Apparatus Co.
Fayetteville, Ark.....	5YM	200, 375.....	University of Arkansas.
Fayetteville, Ark.....	5ZAZ	200, 375.....	Lawrence W. Stinson, 354 N. West St.
Fort Riley, Kans.....	9ZE	200, 375.....	Frank M. Ende (major).
Fort Wayne, Ind.....	9XH	Variable.....	City of Fort Wayne (dept. of pub. safety).
Fort Worth, Tex.....	5YS	200, 375.....	Oba R. Garrett, 611½ Main St.
Franklinton, La.....	5ZK	200, 375.....	Paul Ellis Greenlaw.
Fresno, Calif.....	6XU	200, 375.....	San Joaquin Light & Power Corp.
Fresno, Calif.....	6ZU	200, 375.....	Lloyd E. Martin, 100 Olive Ave.
Friendship Heights, Md.....	3ZF	200, 375.....	John V. Purcell.
Gloucester, Mass.....	1XI	Variable.....	John Hays Hammond, jr.
Golden, Colo.....	9XAI	200, 375.....	Colorado School of Mines.
Grand Coteau, La.....	5XZ	200, 250, 375.....	St. Charles College.
Grand Rapids, Mich.....	8ZAG	200, 375.....	Charles E. Holmes, 310 W. Brown St.
Granville, Ohio.....	8YM	200, 375.....	Richard H. Howe.
Great Neck, N. Y.....	2XAN	Variable.....	Harry Alexander, 20 W. 34th St.
Greencastle, Ind.....	9YJ	200, 375.....	De Pauw University.
Green Harbor, Mass.....	1XD	350-450.....	Western Electric Co.
Greenwich, Conn.....	1XB	Variable.....	Minton Cronkhite.
Grove City, Pa.....	8YV	200, 375.....	Grove City College.
Gunnison, Colo.....	9YAH	200, 375.....	Colorado State Normal School.
Hagerstown, Md.....	3ZI	200, 375.....	Roy C. Corderman.
Hamilton, Ohio.....	8XAG	200, 225, 375.....	Dorion Brothers Electric Co.
Hanover, N. H.....	1YB	200, 375.....	Dartmouth College.
Highland Park, Mich.....	8XAF	200-530.....	Howard P. Hardesty, 396 Monterey Ave.
Highland Park, Mich.....	8ZZ	200, 375.....	Clyde E. Darr.
Hoboken, N. J. (Car No. 782)	2XAJ	225, 275.....	Delaware Lackawanna & Western R. R. Co.
Hoboken, N. J. ....	2XD	Variable.....	Ward Radio Co., N. Y.
Honolulu, Hawaii.....	6XAP	200, 340.....	The Electric Shop.
Houma, La.....	5ZAB	200, 375.....	Fullen Bros.
Houston, Tex.....	5XAA	Variable.....	Hurlburt-Still Electric Co.
Houston, Tex.....	5XN	200, 375.....	Ernest Hubner, 1607 McKee St.
Houston, Tex.....	5XO	200, 375.....	George McDouglas, 411 W. 23rd St.
Houston, Tex.....	5XS	200, 250, 375.....	Tel. Electric Co.
Houston, Tex.....	5YG	200, 375.....	Rice Institute.
Houston, Tex.....	5ZAA	200, 375.....	Francis M. Austin, R. F. D. No. 3, Box 29-B, Bellaire Blvd.
Houston, Tex.....	5ZE	200, 375.....	B. J. Still, Brookline Ave.
Houston, Tex.....	5ZO	200, 375.....	Clifford W. Vick, 1918 Smith St.
Houston, Tex.....	5ZT	200, 375.....	Ingham S. Roberts III, 302 W. Main St.
Houston, Tex.....	5ZV	200, 375.....	Hallet E. Worthington, 4909 Park Drive.
Houston, Tex.....	5ZX	200, 375.....	Alfred P. Daniel, 2504 Bagby St.
Hyattsville, Md.....	3XR	Variable.....	J. Harris Rogers.
Independence, Mo.....	9ZAD	200, 375.....	George S. Turner.
Independence, Mo.....	9ZH	200, 375.....	Reorganized Church of Christ of Latter Day Saints.
Indianapolis, Ind.....	9ZJ	200, 375.....	Francis F. Hamilton, 2011 N. Ala. St.
Iowa City, Iowa.....	9YA	200, 425.....	State University of Iowa.
Ithaca, N. Y.....	8XU	Variable.....	Cornell University (dept. of elec. eng.).
Julif, Tex.....	5ZW	200, 375.....	Donald H. Graham, Elm Grove Plantation.
Kansas City, Mo.....	9XAB	200, 375.....	McCreary Radio Supply Co.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Kansas City, Mo.	9XK	Variable, under 500.	Robert R. Moore.
Kearney, Nebr.	9ZAB	200, 375.....	S. L. Keller.
Knoxville, Tenn.	5XK	200, 375.....	George P. Stout, 1621 Riverside Drive.
Kountze, Tex.	5ZAJ	200, 375.....	Arthur H. Holt.
Lacey, Wash.	7YS	200, 375.....	St. Martin's College.
La Crosse, Wis.	9ZY	200, 375.....	Ben A. Ott.
Lamoni, Iowa	9YO	200, 350, 425.	Graceland College.
Laredo, Tex.	5ZAN	200, 375.....	Charles G. Clark, Fort McIntosh.
Le Mars, Iowa	9YAE	200, 375.....	Western Union College.
Lewisburg, Pa.	8XN	200, 375.....	Bucknell University.
Lexington, Ky.	9YAI	200, 375.....	Transylvania University.
Lexington, Ky.	9YC	200, 375.....	University of Kentucky.
Lexington, Va.	3YK	200, 375.....	Virginia Military Institute.
Lexington, Va.	3ZX	200, 375.....	Harry M. Quisenberry, 23 Edmundson Ave
Lincoln, Nebr.	9YY	200, 375.....	University of Nebraska.
Little Rock, Ark.	5XAB	Variable.....	Dr. L. M. Hunter and G. L. Carrington, 2420 Izard St.
Little Rock, Ark.	5ZL	200, 375.....	John M. Clayton.
Tos Altos, Calif.	6XAC	430, variable.	Colin B. Kennedy Co.
Los Angeles, Calif.	6XAK	Variable.....	Leo J. Meyberg Co.
Los Angeles, Calif.	6XAQ	200-550.....	Lex B. Benjamin.
Los Angeles, Calif.	6XB	Variable.....	H. H. Hyder, 1108 W. Second St.
Los Angeles, Calif.	6XD	275, 350.....	Western Radio Electric Co.
Los Angeles, Calif.	6XL	200-360.....	General Petroleum Research Laboratory.
Los Angeles, Calif.	6XQ	375, 1600, 2000	Southern California Edison Co.
Los Angeles, Calif.	6YA	200, 375.....	Young Men's Christian Association.
Los Angeles, Calif.	6ZAA	200, 375.....	E. Garratt Arnold, 747 Ottawa St.
Los Angeles, Calif.	6ZG	200, 375.....	Forbes W. Van Why, 2012 N. Broadway.
Los Angeles, Calif.	6ZR	200, 375.....	Hall Berringer.
Lynn, Mass.	1XL	Variable.....	General Electric Co.
Madison, Wis.	9XL	360.....	North Western Radio Co.
Madison, Wis.	9XM	Variable.....	University of Wisconsin.
Manhattan, Kans.	9YV	200, 375.....	Kansas State Agricultural College.
Marietta, Ohio.	8YAA	200, 375.....	Marietta College.
Marion, Mass.	1ZE	200, 250, 375.....	Irving Vermilya, 24 Allen St.
Mayville, N. Dak.	9YF	200, 375.....	State Normal School.
Mayville, N. Y.	8ZAD	200, 375.....	Experimental Radio Association.
Medford Hillside, Mass.	1XE	Variable.....	American Radio & Research Corp.
Media, Pa.	3ZM	200, 375.....	Simon Delbert, jr.
Memphis, Tenn.	5XL	200, 325.....	William B. Stieg.
Mesilla Park, N. Mex.	5ZJ	200, 375.....	R. W. Goddard.
Middletown, Conn.	1XN	400.....	Wesleyan University.
Milwaukee, Wis.	9YAD	200, 375.....	School of Engineering of Milwaukee.
Milwaukee, Wis.	9YZ	200, 375.....	Marquette University.
Minneapolis, Minn.	9XI	Variable.....	University of Minnesota (dept. of elec. eng.).
Minneapolis, Minn.	9YX	200, 375.....	Wm. Hood Dunwoody Industrial Institute.
Minneapolis, Minn.	9ZT	150, 200, 375.....	Minnesota Wireless Association.
Mobile, Ala.	5XAE	200, 375.....	Mobile Radio Co.
Monroe, Wis.	9XA	Variable.....	United Telephone Co.
Montclair, N. J.	2XS	200, 275, 325, 425.	Adams Morgan Co.
Montgomery, Ala.	5XR	Variable.....	S. G. F. Rathborne, Bel Telep. & Teleg. Co.
Morgantown, W. Va.	8YE	200, 375.....	University of West Virginia (dept. of elec. eng.).
Morgantown, W. Va.	8YH	200, 375.....	University of West Virginia (dept. of physics).
Moscow, Idaho.	7ZM	200, 375.....	Jack Woodworth, 107 Almon St.
Mt. Clemens, Mich.	8XAE	Variable.....	Henry B. Joy, Penobscot Bldg., Detroit, Mich.
Muncie, Ind.	9YR	200, 375.....	Muncie Technical High School.
Napa, Calif.	6ZAD	200, 375.....	J. J. Mahler, jr.
Neenah, Wis.	9ZL	200, 375.....	Cornelius and William Quinn, 425 Sherry St.
Newark, N. J.	2XAI	Variable.....	Westinghouse Electric & Mfg. Co.
Newark, N. J.	2XAK	Variable.....	I. R. Nelson Co., Bond St.
New Braunfels, Tex.	5YK	200, 375, variable.	Edgar A. Sahm.
New Brunswick, N. J.	2XAM	Variable.....	Radio Corp. of America.
New Haven, Conn.	1XH	Variable.....	Yale University.
New Orleans, La.	5XH	Variable.....	Tropical Radio Telegraph Co.
New Orleans, La.	5XM	200, 375.....	Electron Engineering Co.
New Orleans, La.	5XQ	Variable.....	Pendleton E. Lehde, 1715 Valence St.
New Orleans, La.	5YC	200, 375.....	Nola Radio School.
New Orleans, La.	5YR	200, 375.....	Loyola University.
New Orleans, La.	5YU	200, 375.....	Tulane University.
New Orleans, La.	8ZA	200, 375.....	Charles J. Murray.
New Philadelphia, Ohio.	2ZK	200, 375.....	George C. Cannon.
New Rochelle, N. Y.	1XK	Variable.....	Boston College.
Newton, Mass.	2XAL	425, 3000.	International News Service.
New York, N. Y.	2XB	Variable.....	Western Electric Co.
New York, N. Y.	2XC	Variable.....	Ware Radio Co.
New York, N. Y.	2XG	Variable.....	De Forest Radio Telephone & Telegraph Co.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
New York, N. Y.	2XK	Variable.	Superadio Corp.
New York, N. Y.	2XM	Variable.	Columbia University.
New York, N. Y.	2XX	Variable.	College of the City of New York.
New York, N. Y.	2XXA	350.	City College Radio Club.
New York, N. Y.	2XXB	325.	Townsend Harris Hall Radio Club.
New York, N. Y.	2XO	200, 300.	Walter G. Hudson.
New York, N. Y.	2XY	Variable.	American Telephone & Telegraph Co.
New York, N. Y.	2XZ	200, 375, variable.	Fordham University.
New York, N. Y.	2YM	200, 375, variable.	East Side Y. M. C. A.
New York, N. Y.	2ZG	200, 375.	National Amateur Wireless Association.
Norfolk, Va.	3XY	Variable.	R. L. Hopkins and H. L. Buskey.
Norman, Okla.	5XW	200, variable.	University of Oklahoma.
Norman, Okla.	5ZG	200, 375.	Maurice L. Prescott.
Noroton Heights, Conn.	IXAA	Variable.	Percival E. Fansler.
Norristown, Pa.	3ZV	200, 375.	Samuel W. Place.
Northfield, Minn.	9YAJ	200, 375.	St. Olaf College.
Northfield, Vt.	1YD	200, 375.	Norwich University.
Northville, Mich.	8XL	425, 500.	Henry Ford.
Oakland, Calif.	6XAJ	200, 325, 400, 425.	Preston D. Allen.
Oakland, Calif.	6XAL	Variable.	Alfred H. Cohen.
Oakland, Calif.	6XAM	Variable.	Stafford W. Warner, 2201 Telegraph Ave.
Oakland, Calif.	6XAR	200, 400.	Great Western Radio Corp.
Oakland, Calif.	6XW	Variable.	Richard C. Tavers, 2830 11th Ave.
Oakland, Calif.	6ZAE	200, 375.	Chris F. Eiferle, 1045 83d Ave.
Oakland, Calif.	6ZI	200, 375.	R. S. Rheeem, 478 Orchard St.
Oberlin, Ohio.	8YAE	200, 375.	Oberlin College.
Ogden, Utah.	6ZAM	200, 375.	W. G. Garner.
Oklahoma City, Okla.	5XAF	200, 375.	Roswell B. Downing.
Oklahoma City, Okla.	5XT	200, 375.	Oklahoma Radio Shop.
Oklahoma City, Okla.	5ZAT	200, 375.	Lorwin G. Dill, 112 W. 5th St.
Oklahoma City, Okla.	5ZAV	200, 375.	Le Roy Moffett, jr., 312½ N. Broadway.
Olympia, Wash.	7ZP	200, 375.	Edwin W. Wilson.
Omaha, Nebr.	9XAA	200, 375.	Cramer & Swain, 2916 N. 16th St.
Omaha, Nebr.	9YP	200, 375.	High School of Commerce.
Orange, Tex.	5XAD	Variable.	Gray & Gray.
Orono, Me.	1XAH	200, 475.	University of Maine.
Ossining, N. Y.	2XX	Variable.	De Forest Radio Telephone & Telegraph Co.
Ottumwa, Iowa	9XAD	200, 375.	William W. Harper, 334 E. Fourth St.
Oxford, Ohio.	8YR	200, 375.	Miami University.
Palo Alto, Calif.	6XV	Variable.	Federal Telegraph Co.
Parkesburg, Pa.	3XW	375, 2500, variable.	Horace A. Beale, jr.
Parkesburg, Pa.	3ZO	200, 375.	Do.
Pasadena, Calif.	6XI	200, 375, variable.	Samuel G. McMeen, 683 S. Los Robles Ave.
Pawtucket, R. I.	1XAD	Variable.	Standard Radio & Electric Co.
Pembina, N. Dak.	9YAF	200, 375.	Pembina High School.
Peoria, Ill.	9YAN	200, 375.	Bradley Polytechnic Institute.
Philadelphia, Pa.	3XA	250, 275.	Howard R. Miller, 6318 N. Park Ave.
Philadelphia, Pa.	3XAD	200, 340.	Earl L. Norcross, 3134 N. Park Ave.
Philadelphia, Pa.	3XAG	200, 250.	Westinghouse Electric & Mfg. Co.
Philadelphia, Pa.	3XB	250, 275.	Philadelphia Electric Co.
Philadelphia, Pa.	3XC	425.	Frank B. Chambers.
Philadelphia, Pa.	3XJ	200, 425.	St. Joseph's College.
Philadelphia, Pa.	3XK	275, 1500.	Frederich Strattner, 1638 N. Redfield St.
Philadelphia, Pa.	3XS	200, 2500.	George W. Carns.
Philadelphia, Pa.	3XV	200, 250, variable.	Thomas Appleby.
Philadelphia, Pa.	3YC	200, 375.	North East High School.
Philadelphia, Pa.	3YF	200, 375.	Pennsylvania-Marconi Wireless School.
Philadelphia, Pa.	3YG	200, 375, 2000, 2700.	Philadelphia School of Wireless Telegraphy.
Philadelphia, Pa.	3ZAC	200, 375.	Edwin M. Hartley.
Philadelphia, Pa.	3ZG	200, 375.	Allyn Ernest Seuffert, 3936 Locust St.
Philadelphia, Pa.	3ZJ	200, 425.	Mal. J. H. Clinton.
Philadelphia, Pa.	3ZQ	200, 375.	Stanley C. Bryce, 1942 N. 13th St.
Phoenix, Ariz.	6ZD	200, 375.	Robert M. Willmott & Herschel Rawls.
Piedmont, Calif.	6XAF	Variable.	Pacific Telephone & Telegraph Co.
Pilot Point, Tex.	5ZB	200, 375.	Clyde S. Mosteller.
Pittsburgh, Pa.	8XK	Variable.	Franz Conrad, 7712 Penn. Ave.
Pittsburgh, Pa.	8XV	Variable.	Frederick S. McCullough, Montier St., Wilkinsburg, Pa.
Pittsburgh, Pa.	8XW	Variable.	Radio Electric Co.
Pittsburgh, Pa.	8XX	200, 375.	Duquesne University.
Pittsburgh, Pa.	8YI	200, 375.	University of Pittsburgh.
Pittsburgh, Pa.	8YZ	200, 375.	Peabody High School (Physics Dept.).
Pittsburgh, Pa.	8ZAE	200, 375.	Burton P. Williams.
Pittsburgh, Pa.	8ZD	200, 375.	Parker Elliott Wiggin.
Polytechnic, Mont.	7YI	200, 375.....	Billings Polytechnic Institute.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Polytechnic, Mont.	7ZU	200, 375.....	Glen E. West.
Ponca City, Okla.	5ZQ	200, 375.....	William H. England, jr.
Port Arthur, Tex.	5XV	200, 250, 375	Port Arthur Radio Laboratory.
Portland, Oreg.	7XF	200, 375, 450 550.	Northwestern Radio Mfg. Co.
Portland, Oreg.	7XG	200, 375.....	Willard P. Hawley, jr., 400 E. 22d St.
Portland, Oreg.	7XI	200, 375, va- riable.	Hallock & Watson Radio Service.
Portland, Oreg.	7YG	200, 375.....	Y. M. C. A.
Portland, Oreg.	7YH	200, 375.....	Washington High School
Portland, Oreg.	7YK	200, 375.....	Benson Polytechnic School.
Portland, Oreg.	7YN	200, 375.....	Franklin High School.
Portland, Oreg.	7ZB	200, 375.....	William A. Leidigh, jr.
Portland, Oreg.	7ZI	200, 375.....	Charles L. Austin.
Portland, Oreg.	7ZT	200, 375.....	G. B. Criteser.
Princeton, N. J.	3XM	200, 375.....	David Richardson.
Princeton, N. J.	3XU	Variable.....	Walter V. Roberts.
Providence, R. I.	1XX	Variable.....	Brown University (Physics Dept.).
Pullman, Wash.	7ZS	200, 375.....	Hugh E. Allen.
Rapid City, S. Dak.	9YW	200, 375.....	South Dakota State School of Mines.
Redlands, Calif.	6ZJ	200, 375.....	Arthur L. Munzig.
Reedley, Calif.	6ZF	200, 375.....	Wm. W. Lindsay, jr., P. O. Box 643.
Reno, Nev.	6ZO	200, 375.....	Hadley S. Beedle, 97 Bell St.
Richfield, Utah.	6ZAJ	200, 375.....	M. S. Andelin.
Richmond, Ind.	9ZAE	200, 375.....	Palladium Printing Co.
Richmond, Va.	3ZP	200, 375.....	Ralph R. Chappell, 2112 East Clay St.
Richmond Hill, N. Y.	2XE	2500, 2800.....	A. H. Grebe & Co.
Richmond Hill, N. Y.	2ZV	230, 275.....	Do.
Roanoke, Va.	3ZAB	200, 375.....	Charles L. Zimmerman.
Rochester, N. Y.	8ZK	200, 375.....	Alexander Miller Lindsay, jr., 600 Park Ave.
Roselle Park, N. J.	2XR	325, 375, va- riable.	Radio Corporation of America.
Roswell, N. Mex.	5ZA	200, 275.....	Louis Falconi.
Roswell, N. Mex.	5ZAO	200, 375.....	Roswell Public Service Co.
Salem, Ohio	8ZG	200, 375.....	A. J. Manning.
Salt Lake City, Utah.	6ZA	200, 375.....	Ira Johnston Kaar.
Salt Lake City, Utah.	6ZM	200, 375.....	The Deseret News.
Salt Lake City, Utah.	6ZT	200, 375.....	Art Johnson, P. O. Box 772.
Salt Lake City, Utah.	6ZV	200, 375.....	Julian G. McCollom, 1922 S. 10th E. St.
San Antonio, Tex.	5XP	200, 375.....	Earl M. Baker, St. Anthony Hotel.
San Antonio, Tex.	5XY	200—375.....	Alamo Radio Electric Co.
San Antonio, Tex.	5ZAE	200, 375.....	Leavell D. Wall, 218 Pereida St.
San Antonio, Tex.	5ZAK	200, 375.....	R. C. Walkeen, Kelly Field, Tex.
San Diego, Calif.	6ZB	200, 375.....	Dr. Alfred E. Banks.
San Fernando, Calif.	6ZN	200, 375.....	B. H. Dennis and C. A. Taylor.
San Francisco, Calif.	6XAA	Variable.....	Pacific Telephone & Telegraph Co.
San Francisco, Calif.	6XAB	Variable.....	Colin B. Kennedy Co.
San Francisco, Calif.	6XAE	Variable.....	The Radio Telephone Shop.
San Francisco, Calif.	6XAU	Variable.....	Wilson McGuire Co.
San Francisco, Calif.	6XC	Variable.....	Atlantic-Pacific Radio Supplies Co.
San Francisco, Calif.	6XG	Variable.....	Leo J. Meyberg Co., 428 Market St.
San Francisco, Calif.	6XJ	Variable.....	Otis B. Moorhead.
San Francisco, Calif.	6XO	Variable.....	National Radio Co.
San Francisco, Calif.	6XP	Variable.....	Moorhead Laboratories (Inc.).
San Francisco, Calif.	6XX	Variable.....	Radio Corporation of America.
San Francisco, Calif.	6ZE	200, 375.....	D. B. McGown, 1247 47th Ave.
San Francisco, Calif.	6ZW	200, 375.....	Harold R. Shaw, 897 California St.
Gabriel, Calif.	6XS	Variable.....	R. B. Ashbrook, Rose Road and Mission Drive.
San Jose, Calif. (portable)	6XE	Variable.....	Charles D. Herrold.
San Jose, Calif.	6XF	Variable.....	Do.
San Marcos, Tex.	5YT	200, 375.....	San Marcos High School.
Savannah, Ga.	4XB	200, 280, 375.	Board of Public Education.
Savannah, Ga.	4YB	200, 375.....	Knights of Columbus.
Schenectady, N. Y.	2XA	260, 290, va- riable.	E. M. Kinney.
Schenectady, N. Y.	2XAE	Variable.....	Wallace L. Brooks, Gen Elec. Co., Bldg. 5.
Schenectady, N. Y.	2XI	Variable.....	General Electric Co.
Schenectady, N. Y.	2XQ	250, 1500, va- riable.	Union College.
Scranton, Pa.	5ZAB	200, 375.....	Shotton Radio Manufacturing Co.
Seattle, Wash.	7XC	200, 250, 375, variable.	Vincent I. Kraft.
Seattle, Wash.	7XE	Variable.....	Radio Corporation of America.
Seattle, Wash.	7XJ	Variable.....	Charles W. Peterson.
Seattle, Wash.	7XK	Variable.....	Kilbourne & Clark Mfg. Co.
Seattle, Wash.	7XZ	Variable.....	University of Washington.
Seattle, Wash.	7YC	200, 375.....	Young Mens Christian Association.
Seattle, Wash.	7YD	200, 375.....	Knights of Columbus.
Seattle, Wash.	7YE	200, 375.....	Broadway High School.
Seattle, Wash.	7YM	200, 375.....	Lincoln High School.
Shreveport, La.	5ZS	210, 425.....	William E. Antony.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Sioux City, Iowa.....	9ZU	200, 375.....	Sioux City Radio Laboratory.
South Orange, N. J.....	22C	200, 375.....	Henry L. Leeb.
South Pasadena, Calif.....	6XAS	Variable.....	Brooke E. Sawyer, 458 S. Spring St., Los Angeles, Calif.
South San Antonio, Tex.....	5XI	200, 375, va- riable.	Max E. Schneider, Kelley Field.
Spokane, Wash.....	7YL	200, 375.....	North Central High School.
Springfield, Ill.....	9ZS	1700.....	Illinois Watch Co.
Springfield, Mass.....	1XAE	Variable.....	Westinghouse Electric & Mfg. Co.
Springfield, Ohio.....	8XAK	200, 375.....	Wittenberg College.
Springfield, Ohio.....	8ZAA	200, 375.....	J. Warren Wright, 1119 S. Fountain Ave.
Spring Glen, Fla.....	4ZB	200, 375.....	James C. Kellow.
Stanford University, Calif.....	6XH	200, 250, 375,	Herbert Hoover, Jr.
State College, N. Mex.....	5XD	200, 400, 500,	New Mexico College, Agriculture and Mechanic Arts.
State College, Pa.....	8XE	200, 375.....	Pennsylvania State College.
Staunton, Va.....	3YE	425.....	Staunton Military Academy.
St. David's, Pa.....	3ZS	200, 325, 375,	Charles H. Stewart.
St. Louis, Mo.....	9XS	Variable.....	Manhattan Electrical Supply Co.
St. Louis, Mo.....	9YAB	200, 375.....	Washington University.
St. Louis, Mo.....	9YK	200, 375.....	St. Louis University.
St. Louis, Mo.....	9ZB	200, 375.....	Lester A. Benson.
St. Louis, Mo.....	9ZV	200, 375.....	James A. Crowdus.
St. Marys, Ohio.....	8ZL	200, 375.....	Charles Candler.
St. Paul, Minn.....	9ZAH	200, 375.....	Boy Scouts of America.
Sunnyvale, Calif.....	6XAG	Variable.....	The Radio Shop.
Sunnyvale, Calif.....	6ZK	200, 375.....	Arthur E. Bessey.
Superior, Wis.....	9YAC	200, 375.....	State Normal School.
Swissvale, Pa.....	8ZE	200, 375.....	Clarence T. Hewitt, 7942 Westmoreland Ave.
Tallula Falls, Ga.....	4ZG	200, 375.....	Georgia Railway & Power Co.
Tampa, Fla.....	4XG	Variable.....	Pierce Electric Co.
Tampa, Fla.....	4XJ	285, 325.....	Thompson Electric Co.
Thibodaux, La.....	5YL	200, 375.....	Thibodaux High School.
Toledo, Ohio.....	8XAC	200, 375.....	Wm. B. Duck Co.
Toledo, Ohio.....	8YAB	200, 375.....	Scott High School.
Toledo, Ohio.....	8ZB	200, 375.....	Earl S. Ensign and William P. Van Behren.
Tucson, Ariz.....	6YB	200, 375.....	University of Arizona.
University, Miss.....	3YY	200, 375.....	University of Mississippi.
University, Va.....	9YD	200, 375.....	University of Virginia.
University Place, Nebr.....	9XJ	200, 375, va- riable.	Nebraska Wesleyan University.
Urbana, Ill.....	9XZ	200, 375.....	University of Illinois.
Urbana, Ill.....	2ZL	200, 375.....	Paul G. Busey, 715 Mich. Ave.
Valley Stream, N. Y.....	9XD	Variable.....	J. Owen Smith.
Valparaiso, Ind.....	7ZJ	200, 375.....	Dodge's Institute of Telegraphy.
Vancouver, Wash.....	7ZK	200, 375.....	Royal Mumford.
Vancouver, Wash.....	9YAM	200, 375.....	Vernon J. Bird.
Vermillion, S. Dak.....	5YA	200, 375.....	University of South Dakota.
Victoria, Tex.....	3YP	200, 375.....	Patti Wilder High School.
Villanova, Pa.....	5ZAF	200, 375.....	Villanova College.
Waco, Tex.....	5ZF	200, 375.....	William P. Clarke, 728 N. 13th St.
Waco, Tex.....	6ZAC	200, 375.....	Henry Milton Harris, Box 427.
Wailuku, Hawaii.....	6ZX	200, 375.....	Clifford J. Dow, Maui Telephone Co.
Walnut Grove, Calif.....	3XAF	700, 1100, 2500	J. V. Wise.
Washington, D. C.....	3XF	200, 375, va- riable.	Elliott Woods, The Capitol Bldg.
Washington, D. C.....	3XH	Variable.....	Francis Meyer Baer.
Washington, D. C.....	3XL	180, 200, 350, 1200.	Lester Stewart Barr.
Washington, D. C.....	3XO	200, 375.....	Alfred Crossley.
Washington, D. C.....	3XQ	200, 375, va- riable.	Central High School.
Washington, D. C.....	3XZ	175, 200, 260, 330.	Robert H. Worrall, 1748, Kilbourne Place.
Washington, D. C.....	3YA	200, 375.....	Radio Construction Co.
Washington, D. C.....	3YL	200, 375.....	Loomis Radio School.
Washington, D. C.....	3YN	200, 375.....	Knights of Columbus Service School.
Washington, D. C.....	3YS	200, 375.....	National Radio Institute.
Washington, D. C.....	3ZB	200, 375.....	George Washington University.
Washington, D. C.....	3ZE	200, 375.....	A. B. Brown (Bliss Electrical High School).
Washington, D. C.....	3ZW	100, 150, 200, 250.	Harold A. Snow, 1656 Newton St.
Washington, D. C.....	3ZY	200, 275, 375.	Walther A. Parks, 1220 Jackson St., NE.
Washington, Pa.....	8XG	200, 375.....	Lawrence M. Dunnan.
Waterbury, Conn.....	1XT	360.....	Washington and Jefferson College.
Wayne, Nebr.....	9YT	200, 375.....	Bristol Co.
West Lafayette, Ind.....	9YB	200, 375.....	State Normal School.
Wheeling, W. Va.....	8ZW	200, 375.....	Purdue University.
Whitford, Pa.....	3ZT	200, 375.....	John C. Stroebel, jr., and Earl W. Weimer 42 Poplar Ave.
			George Thomas, "South Hill."

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Station controlled by—
Wichita, Kansas.....	9XAE	200, 375.....	Cosradio Co., 1725 Fairmont Ave.
Wilkes-Barre, Pa.....	8ZS	200, 375.....	John H. Stenger, Jr.
Winfield, N. Y.....	2XP	Variable.....	Louis G. Facent, Meyers Ave. and Queens Blvd.
Winthrop, Mass.....	1XQ	Variable.....	Lloyd C. Greene, 88 Somerset Ave.
Woodmere, N. Y.....	2XH	200, 250.....	Cutting & Washington Radio Corp
Woodside, N. Y. (Long Island).....	2XAC	200-400.....	Ship Owners Radio Service.
Woodside, N. Y. (Long Island).....	2ZD	190, 200, 260, 350.	Do.
Worcester, Mass.....	1XS	Variable.....	Otis C. White, 17 Herman St.
Worcester, Mass.....	1XZ	200, variable.....	Clark University.
Worcester, Mass.....	1YK	200, 375.....	Worcester Polytechnic Institute.
Yankton, S. Dak.....	9YAK	200, 375.....	Yankton College.
Yuma, Ariz.....	6ZAK	200, 375.....	Chas. E. Blalack.
Yuma, Ariz.....	6ZL	200, 375.....	Alexander N. Marquis.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
1XA	Brookline, Mass.	3XA	Philadelphia, Pa.
1XAA	Noroton Heights, Conn.	3XAA	Baltimore, Md.
1XAB	Cambridge, Mass.	3XAB	Charlottesville, Va.
1XAD	Pawtucket, R. I.	3XAD	Philadelphia, Pa.
1XAE	Springfield, Mass.	3XAE	Bridgeport, Pa.
1XAF	Boston, Mass.	3XAF	Washington, D. C.
1XAG	Boston, Mass. (portable)	3XAG	Philadelphia, Pa.
1XAH	Orono, Me.	3XB	Philadelphia, Pa.
1XB	Greenwich, Conn.	3XC	Philadelphia, Pa.
1XC	Ellsworth, Me.	3XE	Clinton, Md.
1XD	Green Harbor, Mass.	3XF	Washington, D. C.
1XE	Medford Hillside, Mass.	3XG	Baltimore, Md.
1XG	Bangor, Me.	3XH	Washington, D. C.
1XH	New Haven, Conn.	3XJ	Philadelphia, Pa.
1XI	Gloucester, Mass.	3XK	Philadelphia, Pa.
1XJ	Cambridge, Mass.	3XL	Washington, D. C.
1XK	Newton, Mass.	3XM	Princeton, N. J.
1XL	Lynn, Mass.	3XN	Blacksburg, Va.
1XM	Cambridge, Mass.	3XO	Washington, D. C.
1XN	Middletown, Conn.	3XP	Delanco, N. J.
1XO	Cambridge, Mass.	3XQ	Washington, D. C.
1XP	Athol, Mass.	3XR	Hyattsville, Md.
1XQ	Winthrop, Mass.	3XS	Philadelphia, Pa.
1XS	Worcester, Mass.	3XT	Baltimore, Md.
1XT	Waterbury, Conn.	3XU	Princeton, N. J.
1XX	Providence, R. I.	3XV	Philadelphia, Pa.
1XZ	Worcester, Mass.	3XW	Parkesburg, Pa.
1YB	Hanover, N. H.	3XX	Baltimore, Md.
1YC	Boston, Mass.	3XY	Norfolk, Va.
1YD	Northfield, Vt.	3XZ	Washington, D. C.
1YK	Worcester, Mass.	3YA	Washington, D. C.
1YS	Boston, Mass.	3YC	Philadelphia, Pa.
1ZE	Marion, Mass.	3YE	Staunton, Va.
Second district:		3YF	Philadelphia, Pa.
2XA	Schenectady, N. Y.	3YG	Philadelphia, Pa.
2XAC	Woodside, N. Y.	3YH	Baltimore, Md.
2XAE	Schenectady, N. Y.	3YK	Lexington, Va.
2XAI	Newark, N. J.	3YL	Washington, D. C.
2XAK	Newark, N. J.	3YN	Washington, D. C.
2XAL	New York, N. Y.	3YO	Easton, Pa.
2XAM	New Brunswick, N. J.	3YP	Villanova, Pa.
2XAN	Great Neck, N. Y.	3YQ	Camden, N. J.
2XAJ	Hoboken, N. J. (car No. 782).	3YR	Baltimore, Md.
2XAO	Belmar, N. J.	3YS	Washington, D. C.
2XB	New York, N. Y.	3YV	University, Va.
2XC	New York, N. Y.	3ZA	Bala, Pa.
2XD	Hoboken, N. J.	3ZAA	Buena Vista, Va.
2XE	Richmond Hill, N. Y.	3ZAB	Roanoke, Va.
2XF	Cliffwood, N. J.	3ZAC	Philadelphia, Pa.
2XG	New York, N. Y.	3ZB	Washington, D. C.
2XH	Woodmere, N. Y.	3ZE	Washington, D. C.
2XI	Schenectady, N. Y.	3ZF	Friendship Heights, Md.
2XJ	Deal Beach, N. J.	3ZG	Philadelphia, Pa.
2XK	New York, N. Y.	3ZI	Hagerstown, Md.
2XM	New York, N. Y.	3ZJ	Philadelphia, Pa.
2XN	New York, N. Y.	3ZM	Media, Pa.
2XNA	New York, N. Y.	3ZN	Baltimore, Md.
2XNB	New York, N. Y.	3ZO	Parkesburg, Pa.
2XO	New York, N. Y.	3ZP	Richmond, Va.
2XP	Winfield, N. Y.	3ZQ	Philadelphia, Pa.
2XQ	Schenectady, N. Y.	3ZS	St. Davids, Pa.
2XR	Roselle Park, N. J.	3ZT	Whitford, Pa.
2XS	Montclair, N. J.	3ZU	Baltimore, Md.
2XT	Brooklyn, N. Y.	3ZV	Norristown, Pa.
2XX	Ossining, N. Y.	3ZW	Washington, D. C.
2XY	New York, N. Y.	3ZX	Lexington, Va.
2XZ	New York, N. Y.	3ZY	Washington, D. C.
2YM	New York, N. Y.	3ZZ	Cradock, Va.
2ZC	South Orange, N. J.		Fourth district:
2ZD	Woodside, N. Y. (Long Island).	4XA	Atlanta, Ga.
2ZE	Cedar Grove, N. J.	4XB	Savannah, Ga.
2ZG	New York, N. Y.	4XC	Atlanta, Ga.
2ZK	New Rochelle, N. Y.	4XD	Charlotte, N. C.
2ZL	Valley Stream, N. Y.	4XE	Buena Vista, Ga.
2ZV	Richmond Hill, N. Y.	4XF	Atlanta, Ga.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	<b>Fourth district—Continued.</b>		<b>Fifth district—Continued.</b>
4XG	Tampa, Fla.	5ZAY	Dallas, Tex.
4XH	Atlanta, Ga.	5ZAZ	Fayetteville, Ark.
4XI	Atlanta, Ga.	5ZB	Pilot Point, Tex.
4XJ	Tampa, Fla.	5ZC	Dallas, Tex.
4YA	Atlanta, Ga.	5ZD	Alexandria, La.
4YB	Savannah, Ga.	5ZE	Houston, Tex.
4YJ	Atlanta, Ga.	5ZF	Waco, Tex.
4ZB	Atlanta, Ga.	5ZG	Norman, Okla.
4ZD	Asheville, N. C.	5ZH	Amarillo, Tex.
4ZE	Spring Glen, Fla.	5ZI	Birmingham, Ala.
4ZF	Decatur, Ga.	5ZJ	Mesilla Park, N. Mex.
4ZG	Tallulah Falls, Ga.	5ZK	Franklinton, La.
	<b>Fifth district:</b>	5ZL	Little Rock, Ark.
5XA	Auburn, Ala.	5ZM	Enid, Okla.
5XAA	Houston, Tex.	5ZN	Eagle Pass, Tex.
5XAB	Little Rock, Ark.	5ZO	Houston, Tex.
5XAC	Conway, Ark.	5ZP	College Station, Tex.
5XAD	Orange, Tex.	5ZQ	Ponca City, Okla.
5XAE	Mobile, Ala.	5ZS	Shreveport, La.
5XAF	Oklahoma City, Okla.	5ZT	Houston, Tex.
5XB	College Station, Tex.	5ZU	Austin, Tex.
5XC	Birmingham, Ala.	5ZV	Houston, Tex.
5XD	State College, N. Mex.	5ZW	Julif, Tex.
5XE	Burrwood, La.	5ZX	Houston, Tex.
5XF	Brownwood, Tex.	5ZZ	Blackwell, Okla.
5XH	New Orleans, La.		<b>Sixth district:</b>
5XJ	South San Antonio, Tex.	6XA	Alameda, Calif.
5XK	Dublin, Tex.	6XAA	San Francisco, Calif.
5XL	Knoxville, Tenn.	6XAB	San Francisco, Calif.
5XM	Memphis, Tenn.	6XAC	Los Altos, Calif.
5XN	New Orleans, La.	6XAD	Avalon, Calif.
5XO	Houston, Tex.	6XAE	San Francisco, Calif.
5XP	Houston, Tex.	6XAF	Piedmont, Calif.
5XQ	San Antonio, Tex.	6XAG	Sunnyvale, Calif.
5XR	New Orleans, La.	6XAJ	Oakland, Calif.
5XS	Montgomery, Ala.	6XAK	Los Angeles, Calif.
5XT	Houston, Tex.	6XAL	Oakland, Calif.
5XU	Oklahoma City, Okla.	6XAM	Oakland, Calif.
5XV	Austin, Tex.	6XAP	Honolulu, Hawaii.
5XW	Port Arthur, Tex.	6XAQ	Los Angeles, Calif.
5XX	Norman, Okla.	6XAR	Oakland, Calif.
5XY	Austin, Tex.	6XAS	South Pasadena, Calif.
5XZ	San Antonio, Tex.	6XAU	San Francisco, Calif.
5YA	Grand Coteau, La.	6XB	Los Angeles, Calif.
5YC	Victoria, Tex.	6XC	San Francisco, Calif.
5YD	New Orleans, La.	6XD	Los Angeles, Calif.
5YE	Agricultural College, Miss.	6XE	San Jose, Calif. (portable).
5YG	University, Miss.	6XF	San Jose, Calif.
5YK	Houston, Tex.	6XG	San Francisco, Calif.
5YL	New Braunfels, Tex.	6XH	Stanford University, Calif.
5YM	Thibodaux, La.	6XI	Pasadena, Calif.
5YN	Fayetteville, Ark.	6XJ	San Francisco, Calif.
5YQ	Abilene, Tex.	6XK	Berkeley, Calif.
5YR	Albuquerque, N. Mex.	6XL	Los Angeles, Calif.
5YS	New Orleans, La.	6XM	Berkeley, Calif.
5YT	Fort Worth, Tex.	6XO	San Francisco, Calif.
5YU	San Marcos, Tex.	6XP	San Francisco, Calif.
5ZA	New Orleans, La.	6XQ	Los Angeles, Calif.
5ZAA	Roswell, N. Mex.	6XS	San Gabriel, Calif.
5ZAB	Houston, Tex.	6XU	Fresno, Calif.
5ZAC	Houma, La.	6XV	Palo Alto, Calif.
5ZAD	Baton Rouge, La.	6XW	Oakland, Calif.
5ZAE	El Paso, Tex.	6XX	San Francisco, Calif.
5ZAF	San Antonio, Tex.	6YA	Los Angeles, Calif.
5ZAG	Waco, Tex.	6YB	Tucson, Ariz.
5ZAH	Austin, Tex.	6ZA	Salt Lake City, Utah.
5ZAJ	Biloxi, Miss.	6ZAA	Los Angeles, Calif.
5ZAK	Kountze, Tex.	6ZAC	Wailuku, Hawaii.
5ZAM	San Antonio, Tex.	6ZAD	Napa, Calif.
5ZAN	Commerce, Tex.	6ZAE	Oakland, Calif.
5ZAO	Laredo, Tex.	6ZAF	Berkeley, Calif.
5ZAQ	Roswell, N. Mex.	6ZAJ	Richfield, Utah.
5ZAR	Dallas, Tex.	6ZAK	Yuma, Ariz.
5ZAS	El Paso, Tex.	6ZAL	Eagle Rock, Calif.
5ZAT	Birmingham, Ala.	6ZAM	Ogden Utah.
5ZAU	Oklahoma City, Okla.	6ZB	San Diego, Calif.
5ZAV	Bay St. Louis, Miss.	6ZC	Cochise, Ariz.
5ZAW	Oklahoma City, Okla.	6ZD	Phoenix, Ariz.
5ZAX	Dallas, Tex.	6ZE	San Francisco, Calif.
	Abilene, Tex.	6ZF	Reedley, Calif.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
6ZG	Sixth district—Continued: Los Angeles, Calif.	8YA	Eighth district—Continued: Auburn, N. Y.
6ZI	Oakland, Calif.	8YAA	Marietta, Ohio.
6ZJ	Redlands, Calif.	8YAB	Toledo, Ohio.
6ZK	Sunnyvale, Calif.	8YAC	Cincinnati, Ohio.
6ZL	Yuma, Ariz.	8YAD	Cincinnati, Ohio.
6ZM	Salt Lake City, Utah.	8YAE	Oberlin, Ohio.
6ZN	San Fernando, Calif.	8YAF	Detroit, Mich.
6ZO	Reno, Nev.	8YD	East Cleveland, Ohio.
6ZQ	Berkley, Calif.	8YE	Morgantown, W. Va.
6ZR	Los Angeles, Calif.	8YG	East Lansing, Mich.
6ZS	Bakersfield, Calif.	8YH	Morgantown, W. Va.
6ZT	Salt Lake City, Utah.	8YI	Pittsburgh, Pa.
6ZU	Fresno, Calif.	8YK	Delaware, Ohio.
6ZV	Salt Lake City, Utah.	8YM	Granville, Ohio.
6ZW	San Francisco, Calif.	8YN	Battle Creek, Mich.
6ZX	Walnut Grove, Calif.	8YO	Columbus, Ohio.
6ZZ	Douglas, Ariz.	8YR	Oxford, Ohio.
	Seventh district:	8YS	Cincinnati, Ohio.
7XB	Bozeman, Mont.	8YT	Alliance, Ohio.
7XC	Seattle, Wash.	8YU	Dayton, Ohio.
7XE	Seattle, Wash.	8YV	Grove City, Pa.
7XF	Portland, Oreg.	8YX	Cincinnati, Ohio.
7XG	Portland, Oreg.	8YZ	Pittsburgh, Pa.
7XH	Corvallis, Oreg.	8ZA	New Philadelphia, Ohio.
7XI	Portland, Oreg.	8ZAA	Springfield, Ohio.
7XJ	Seattle, Wash.	8ZAB	Scranton, Pa.
7XK	Seattle, Wash.	8ZAC	Barnesville, Ohio.
7XZ	Seattle, Wash.	8ZAD	Mayville, N. Y.
7YA	Boise, Idaho.	8ZAE	Pittsburgh, Pa.
7YB	Eugene, Oreg.	8ZAF	Columbus, Ohio.
7YC	Seattle, Wash.	8ZAG	Grand Rapids, Mich.
7YD	Seattle, Wash.	8ZB	Toledo, Ohio.
7YE	Seattle, Wash.	8ZD	Pittsburgh, Pa.
7YG	Portland, Oreg.	8ZE	Swissvale, Pa.
7YH	Portland, Oreg.	8ZG	Salem, Ohio.
7YI	Polytechnic, Mont.	8ZH	Cincinnati, Ohio.
7YK	Portland, Oreg.	8ZJ	East Palestine, Ohio.
7YL	Spokane, Wash.	8ZK	Rochester, N. Y.
7YM	Seattle, Wash.	8ZL	St. Marys, Ohio.
7YN	Portland, Oreg.	8ZN	Buffalo, N. Y.
7YS	Lacey, Wash.	8ZO	Ashland, Ohio.
7ZB	Portland, Oreg.	8ZP	Columbus, Ohio.
7ZD	Bozeman, Mont.	8ZQ	Cleveland, Ohio.
7ZE	Elk, Wyo.	8ZS	Dunmore, Pa.
7ZG	Bear Creek, Mont.	8ZV	Wilkes-Barre, Pa.
7ZH	Enterprise, Oreg.	8ZW	Canton, Ohio.
7ZI	Portland, Oreg.	8ZX	Wheeling, W. Va.
7ZJ	Vancouver, Wash.	8ZY	Dover, Ohio.
7ZK	Vancouver, Wash.	8ZZ	Defiance, Ohio.
7ZM	Moscow, Idaho.	9XA	Highland Park, Mich.
7ZO	Casper, Wyo.	9XAA	Ninth district:
7ZP	Olympia, Wash.	9XAB	Monroe, Wis.
7ZS	Pullman, Wash.	9XAC	Omaha, Nebr.
7ZT	Portland, Oreg.	9XAD	Kansas City, Mo.
7ZU	Polytechnic, Mont.	9XAE	Davenport, Iowa.
7ZV	Douglas, Wyo.	9XAG	Ottumwa, Iowa.
	Eight district:	9XAH	Wichita, Kans.
8XA	Ann Arbor, Mich.	9XAI	Denver, Colo.
8XAC	Toledo, Ohio.	9XAM	Evansville, Ind.
8XAD	Buffalo, N. Y.	9XAQ	Golden, Colo.
8XAE	Mt. Clemens, Mich.	9XB	Chicago, Ill.
8XAF	Highland Park, Mich.	9XC	Boulder, Colo.
8XAG	Hamilton, Ohio.	9XD	Chicago, Ill. (portable).
8XAH	Cincinnati, Ohio.	9XE	Colorado Springs, Colo.
8XAJ	Cincinnati, Ohio.	9XF	Valparaiso, Ind.
8XAK	Springfield, Ohio.	9XG	Davenport, Iowa.
8XB	Cincinnati, Ohio.	9XH	Chicago, Ill.
8XD	Dearborn, Mich.	9XI	Fort Wayne, Ind.
8XE	State College, Pa.	9XJ	Minneapolis, Minn.
8XF	Washington, Pa.	9XK	Urbana, Ill.
8XG	Columbus, Ohio.	9XL	Kansas City, Mo.
8XJ	Pittsburgh, Pa.	9XM	Madison, Wis.
8XK	Northville, Mich.	9XS	St. Louis, Mo.
8XL	Lewisburg, Pa.	9XT	Collegeville, Minn.
8XN	Detroit, Mich.	9XX	Bellefontaine, Ill.
8XO	Cleveland, Ohio.	9XZ	Urbana, Ill.
8XT	Ithaca, N. Y.	9YA	Iowa City, Iowa.
8XU	Pittsburgh, Pa.	9YAA	Emporia, Kans.
8XV	Pittsburgh, Pa.	9YAB	St. Louis, Mo.
8XW	Pittsburgh, Pa.		
8XX	Pittsburgh, Pa.		

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	Ninth district—Continued:		Ninth district—Continued:
9YAC	Superior, Wis.	9YT	Wayne, Nebr.
9YAD	Milwaukee, Wis.	9YU	Crete, Nebr.
9YAE	Le Mars, Iowa.	9YV	Manhattan, Kans.
9YAF	Pembina, N. Dak.	9YW	Rapid City, S. Dak.
9YAG	Bloomington, Ind.	9YX	Minneapolis, Minn.
9YAH	Gunnison, Colo.	9YY	Lincoln, Nebr.
9YAI	Lexington, Ky.	9YZ	Milwaukee, Wis.
9YAJ	Northfield, Minn.	9ZA	Dubuque, Iowa.
9YAK	Yankton, S. Dak.	9ZAA	Clarinda, Iowa.
9YAL	Denver, Colo.	9ZAB	Kearney, Nebr.
9YAM	Vermillion, S. Dak.	9ZAC	Anthony, Kans.
9YAN	Peoria, Ill.	9ZAD	Independence, Mo.
9YAO	Des Moines, Iowa.	9ZAE	Richmond, Ind.
9YAP	Davenport, Iowa.	9ZAF	Denver, Colo.
9YB	West Lafayette, Ind.	9ZAG	East St. Louis, Ill.
9YC	Lexington, Ky.	9ZAH	St. Paul, Minn.
9YD	University Place, Nebr.	9ZB	St. Louis, Mo.
9YE	Chicago, Ill.	9ZC	Baudette, Minn.
9YF	Mayville, N. Dak.	9ZD	Denver, Colo.
9YG	Agricultural College, N. Dak.	9ZE	Fort Riley, Kans.
9YH	Evanston, Ill.	9ZG	Byron, Ill.
9YI	Ames, Iowa.	9ZH	Independence, Mo.
9YJ	Greencastle, Ind.	9ZJ	Indianapolis, Ind.
9YK	St. Louis, Mo.	9ZL	Neenah, Wis.
9YL	Chicago, Ill.	9ZN	Chicago, Ill.
9YM	Columbia, Mo.	9ZS	Springfield, Ill.
9YO	Lamoni, Iowa.	9ZT	Minneapolis, Minn.
9YP	Omaha, Nebr.	9ZU	Sioux City, Iowa.
9YQ	Culver, Ind.	9ZV	St. Louis, Mo.
9YR	Munice, Ind.	9ZX	Ellendale, N. Dak.
9YS	Bloomington, Ill.	9ZY	La Crosse, Wis.

## RADIO COMPASS STATIONS INSTRUCTIONS.

The Naval Communications Service will furnish radio bearings to mariners of all vessels equipped with radio telegraph transmitters. While the use of these bearings should not lead a mariner to neglect other precautions, such as the use of the lead, etc., during a fog, these bearings will greatly reduce the dangers to navigation for mariners who are compelled for any reason to proceed during foggy or misty weather. These radio compass stations are provided, primarily, to assist the mariner in closing the land during fog or poor visibility, but they may also be used to obtain the positions of vessels at sea in radio compass range, about 150 miles, when for any reason positions can not be obtained by other means.

The maximum distance for which bearings from these stations are accurate is 150 miles. But accurate positions can not be plotted when more than 50 miles from the shore on Mercator charts, for the Mercator projection introduces a distortion of the true bearing. Charts based on Gnomonic projection are essential to plot correctly long-distance radio bearings. Such charts are now under construction by the Hydrographic Office, and until they are available mariners may use the Mercator chart for long-distance bearings, applying necessary corrections, which may be obtained by various methods, one of which is fully explained on the backs of H. O. Pilot Charts of the North Atlantic Ocean for February, 1921; North Pacific Ocean for May, 1921; Indian Ocean for June, 1921; and Central American waters for March, 1921.

Radio compass stations are divided into two classes:

(a) Single stations, operating independently and furnishing a single bearing. These stations are located with the view of giving service to ships at a distance of not over 150 miles from the station.

(b) Harbor entrance groups. All stations in harbor entrance groups are connected to and controlled by the master station. All stations of the group take bearings simultaneously, and these bearings are transmitted to the ship requesting them by the control station. The purpose of these stations is to lead mariners to the light vessels off harbor entrances.

Where only one radio compass station is available, the mariner may fix his position by two or more bearings from the station with the distance run between or may use the bearing as a line of position or as a danger bearing. Or the bearing may be crossed with a line of position obtained from an observation of an astronomical body to establish a fix.

*Wave lengths.*—All independent and group radio compass stations keep watch on 800 meters. Only this wave should be used to call and work with these stations.

*Calling a radio compass station.*—To obtain a bearing from independent radio compass stations, call the station from which the bearing is desired in the usual manner and request bearings by means of the conventional signal given hereafter. Simultaneous bearings from two or more compass stations can be obtained by making the call include the other compass stations desired. To obtain bearings from the harbor entrance, compass stations carry out the procedure previously given. The compass control station only will answer.

*Conventional signals.*—The following abbreviated signals will be used:

Signal.	Meaning.
Q TE.....	What is my true bearing?
Q TE.....	Your true bearing is — degrees from — radio compass station.

(a) *Procedure in detail.*—A ship calling the radio compass station or compass control station should make the abbreviation "QTE," ("What is my bearing?"). This request will be answered by the radio compass station or control station, and when ready to observe the radio bearing it will send the signal "K," indicating to the ship to commence "testing"; i. e., repeating its distinguishing signal for a period of 50 seconds. The signal should be made slowly with the dashes considerably prolonged.

(b) The testing should be made on 800 meters, upon the completion of which the ship should await reply from the radio compass station.

(c) The radio compass station or control station will then reply, repeating the abbreviation "QTE," ("Your bearing from \_\_\_\_\_ was — degrees"), followed by the bearing in degrees given by a group of three figures 000 to 359, indicating the true bearing in degrees of the ship station from the radio compass station, and then the time group giving the time of observations in local standard time. In the case of more than one radio compass connected by land line only the station originally called will answer. This station will combine all the bearings taken by itself and associated station into one message, which gives each bearing observed immediately after the name of the station making the observation.

All radio compass stations transmit on 800 meters.

*Example.*—A ship (call letters KVA) desires to get bearings from the Delaware Bay entrance group (call letters NSD). The following procedure is used:

```

    — . . . . NSD NSD NSD — . . . . KVA KVA KVA — . . . . QTE
    . . . . . AR
    — . . . . KVA — . . . . NSD K
    — . . . . NSD — . . . . KVA — . . . . QTE — . . . . KVA KVA KVA
    — . . . . (making call letters KVA for 50 seconds prolonging the dashes)
    — . . . . KVA AR
    — . . . . KVA — . . . . NSD — . . . . QTE
    Cape May 120, Cape Henlopen 110, Bethany Beach 085 at 0126 — . . . .
    NSD AR
    — . . . . NSD — . . . . KVA — . . . . 120 110 085 at 0126 . . . . . AR
    — . . . . KVA — . . . . NSD R . . . . . NSD
  
```

This method is the only authorized procedure for calling, answering, and testing and should be followed exactly. Such signals as MO — V — and other test signals are not authorized for radio compass traffic. The testing period of 50 seconds should not be exceeded. Mariners who do not follow the prescribed procedure exactly occasion delay to themselves in obtaining bearing and to other mariners who may be waiting for an opportunity to use the radio compass stations.

*Danger from reciprocal bearings.*—Attention is invited to the fact that when a single bearing is furnished there is a possibility of an error of approximately 180 degrees, as the operator at the compass station can not always determine on which side of the station the vessel lies. Certain radio compass stations, particularly those on islands or extended capes, are equipped to furnish two corrected true bearings for any observation. Such bearings when furnished vessels may differ by approximately 180 degrees, and whichever bearing is suitable should be used.

*Caution.*—Mariners receiving bearings which are evidently the approximate reciprocal of the correct bearing should never attempt to correct these bearings by applying a correction of 180 degrees, as such correction would not include the correction necessary on account of deviation at the compass station. An error as large as 30 degrees may be introduced by mariners applying an arbitrary correction of 180 degrees to such bearings. Vessels receiving bearings manifestly requiring an approximate 180-degree correction should request the other bearing from the radio compass station if not previously furnished.

Bearings, except in the case of approximate reciprocal bearings, should be accurate within 2 degrees of arc provided the transmitting equipment on board vessels is tuned sharply to 800 meters. Operators should use sufficiently wide coupling to obtain low decrement. If radio transmitters are not tuned sharply, it is difficult to obtain bearings that are sufficiently accurate for navigational purposes. When bearings from three or more compass stations are not over 2 degrees of arc in error, but do not meet at a fixed point, the geometric center of the triangle formed by the bearings can generally be taken as the approximate position of the vessel.

Mariners until thoroughly familiar with the system are advised to use radio compass stations frequently, especially in clear weather, when positions of vessels can be accurately fixed in order to accustom operators to the procedure and to acquaint themselves with the degree of accuracy and dependability of bearings furnished by the radio compass stations.

*Reports.*—In order that the operation of shore radio compass stations may be checked, mariners obtaining bearings are requested to forward a brief report to the Director Naval Communications, Navy Department, Washington, D. C., containing the following particulars:

1. Name of ship.
2. Name of radio compass station.
3. Date and local standard time at which radio bearing was taken.
4. Bearing given by radio compass station.
5. Estimated position of ship at above time and dates by methods other than radio.
6. The probable degree of accuracy of the estimated position.
7. Weather conditions at above time.
8. Remarks, if any.
9. Signature of master or responsible navigating officer.

There is no charge for bearings furnished by the United States naval radio compass stations.

# RADIO COMPASS STATIONS ON ATLANTIC AND PACIFIC COASTS, ALPHABETICALLY BY NAMES OF STATIONS.

[Wave length of 800 meters for all compass stations.]

## ATLANTIC COAST.

Station.	Call.	Position.
Amagansett, Long Island, N. Y.	NBM	Lat. 40°-58°-10 N., long. 72°-07°-27 W.
Anacostia, D. C.	NSF	Lat. 38°-51°-26 N., long. 77°-00°-56 W.
Bar Harbor (Otter Cliffs), Me.	NBD	Lat. 44°-18°-36 N., long. 68°-11°-27 W.
Bethany Beach, Del.	NSD	Lat. 38°-32°-45 N., long. 75°-03°-22 W.
Cape Elizabeth (Portland), Me.	NAB	Lat. 43°-33°-59 N., long. 70°-11°-59 W.
Cape Hatteras, N. C.	NDW	Lat. 35°-14°-22 N., long. 75°-34°-42 W.
Cape Henlopen, Del.	NSD	Lat. 38°-47°-35 N., long. 75°-05°-26 W.
Cape Lookout, N. C.	NAN	Lat. 34°-36°-11 N., long. 76°-32°-18 W.
Cape May, N. J.	NSD	Lat. 38°-55°-53 N., long. 74°-54°-35 W.
Chatham, Mass.	NXA	Lat. 41°-42°-48 N., long. 69°-57°-53 W.
Deer Island, Mass.	NAD	Lat. 42°-21°-15 N., long. 70°-57°-30 W.
Fire Island, N. Y.	NAH	Lat. 40°-38°-07 N., long. 73°-12°-32 W.
Folly Island, S. C.	NZV	Lat. 32°-41°-00 N., long. 79°-53°-14 W.
Fourth Cliff, Mass.	NAD	Lat. 42°-09°-40 N., long. 70°-42°-22 W.
Gloucester, Mass.	NAD	Lat. 42°-35°-19 N., long. 70°-41°-08 W.
Grand Island, La.	NLI	Lat. 29°-13°-52 N., long. 89°-59°-46 W.
Hog Island, Va.	NCZ	Lat. 37°-22°-36 N., long. 75°-42°-37 W.
Jupiter, Fla.	NAQ	Lat. 26°-56°-59 N., long. 80°-04°-57 W.
Key West, Fla.	NAR	Lat. 24°-33°-08 N., long. 81°-45°-18 W.
Lakehurst, N. J.	NEL	Lat. 40°-02°-15 N., long. 74°-20°-13 W.
Mantoloking, N. J.	NAH	Lat. 40°-01°-30 N., long. 74°-03°-10 W.
North Island, S. C.	NZW	Lat. 33°-13°-21 N., long. 79°-11°-06 W.
North Truro, Mass.	NAE	Lat. 42°-02°-23 N., long. 70°-03°-37 W.
Pensacola, Fla.	NAS	Lat. 30°-20°-46 N., long. 87°-16°-54 W.
Poynter Hill, N. C.	NCZ	Lat. 36°-17°-16 N., long. 75°-47°-48 W.
Prices Neck, R. I.	NAF	Lat. 41°-27°-06 N., long. 71°-20°-15 W.
Sandy Hook, N. J.	NAH	Lat. 40°-27°-54 N., long. 73°-59°-50 W.
Surfside (Nantucket), Mass.	NBS	Lat. 41°-14°-42 N., long. 70°-05°-56 W.
Tybee Island, Ga.	NEV	Lat. 32°-00°-58 N., long. 80°-50°-27 W.
Virginia Beach, Va.	NCZ	Lat. 36°-51°-10 N., long. 75°-58°-33 W.

## PACIFIC COAST.

Bird Island, Calif.	NLD	Lat. 37°-49°-27 N., long. 122°-32°-12 W.
Cape Hinchinbrook, Alaska.	NRM	Lat. 60°-14°-00 N., long. 146°-38°-54 W.
Cattle Point, Wash.	NFN	Lat. 48°-27°-04 N., long. 122°-57°-45 W.
Empire, Oreg.	NPF	Lat. 43°-23°-03 N., long. 124°-18°-58 W.
Eureka, Calif.	NPW	Lat. 40°-41°-48 N., long. 124°-16°-34 W.
Farallon Islands, Calif.	NPI	Lat. 37°-41°-58 N., long. 122°-59°-56 W.
Fort Stevens, Oreg.	NPE	Lat. 46°-11°-32 N., long. 123°-59°-15 W.
Imperial Beach, Calif.	NPL	Lat. 32°-35°-14 N., long. 117°-07°-54 W.
New Dungeness, Wash.	NFT	Lat. 48°-10°-36 N., long. 123°-07°-51 W.
Ocean Park, Wash.	NPE	Lat. 46°-27°-53 N., long. 124°-03°-16 W.
Point Arguello, Calif.	NPK	Lat. 34°-34°-43 N., long. 120°-38°-51 W.
Point Fermin, Calif.	NPX	Lat. 33°-42°-19 N., long. 118°-17°-38 W.
Point Hueneme, Calif.	NMD	Lat. 34°-08°-43 N., long. 119°-12°-30 W.
Point Loma, Calif.	NPL	Lat. 32°-42°-21 N., long. 117°-15°-17 W.
Point Montara, Calif.	NLH	Lat. 37°-32°-02 N., long. 122°-31°-07 W.
Point Reyes, Calif.	NLG	Lat. 33°-02°-13 N., long. 122°-59°-36 W.
Port Angeles, Wash.	NFT	Lat. 48°-08°-30 N., long. 123°-24°-19 W.
Smith Island, Wash.	NFH	Lat. 48°-19°-05 N., long. 122°-50°-39 W.
Soapstone Point, Alaska.	NUW	Lat. 58°-06°-13 N., long. 130°-29°-51 W.
Tatoosh, Wash.	NPD	Lat. 48°-23°-41 N., long. 124°-44°-13 W.

## GREAT LAKES.

Detour Point, Mich.	NZU	Lat. 45°-57°-20 N., long. 83°-54°-57 W.
Grand Marias, Mich.	NZT	Lat. 46°-40°-37 N., long. 85°-58°-26 W.
Whitefish Point, Mich.	NZT	Lat. 84°-57°-22 N., long. 46°-46°-15 W.

## RADIO COMPASS STATIONS ON ATLANTIC AND PACIFIC COASTS, ALPHABETICALLY BY CALL SIGNALS.

### ATLANTIC COAST.

Call.	Station.	Call.	Station.
NAB	Cape Elizabeth (Portland), Me.	NBS	Surfside (Nantucket), Mass.
NAD	Deer Island, Mass.	NCZ	Hog Island, Va.
NAD	Fourth Cliff, Mass.	NCZ	Poyners Hill, N. C.
NAD	Gloucester, Mass.	NCZ	Virginia Beach, Va.
NAE	North Truro, Mass.	NDW	Cape Hatteras, N. C.
NAF	Prices Neck, R. I.	NEL	Lakehurst, N. J.
NAH	Mantoloking, N. J.	NEV	Tybee Island, Ga.
NAH	Sandy Hook, N. J.	NLI	Grand Island, La.
NAH	Fire Island, N. Y.	NSD	Cape May, N. J.
NAN	Cape Lookout, N. C.	NSD	Cape Henlopen, Del.
NAQ	Jupiter, Fla.	NSD	Bethany Beach, Del.
NAR	Key West, Fla.	NSF	Anacostia, D. C.
NAS	Pensacola, Fla.	NXA	Chatham, Mass.
NBD	Bar Harbor (Otter Cliffs), Me.	NZV	Folly Island, S. C.
NBM	Amagansett, Long Island, N. Y.	NZW	North Island, S. C.

### PACIFIC COAST.

NFH	Smith Island, Wash.	NPE	Fort Stevens, Oreg.
NFN	Cattle Point, Wash.	NPF	Empire, Oreg.
NFT	Port Angeles, Wash.	NPI	Farallon Islands, Calif.
NFT	New Dungeness, Wash.	NPK	Point Arguello, Calif.
NLD	Bird Island, Calif.	NPL	Imperial Beach, Calif.
NLG	Point Reyes, Calif.	NPL	Point Loma, Calif.
NLH	Point Montara, Calif.	NPW	Eureka, Calif.
NMD	Point Hueneme, Calif.	NPX	Point Fermin, Calif.
NPD	Tatoosh, Wash.	NRM	Cape Hinchinbrook, Alaska.
NPE	Ocean Park, Wash.	NUW	Soapstone Point, Alaska.

### GREAT LAKES.

NZU	Detour Point, Mich.	NZT	Whitefish Point, Mich.
NZT	Grand Marais, Mich.		

## APPENDIX.

### INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS.

[To be used for all general public-service radio communication. (1) A dash is equal to three dots; (2) the space between parts of the same letter is equal to one dot; (3) the space between two letters is equal to three dots; (4) the space between two words is equal to five dots.]

A . --	Period.....	• • •
B ---.	Semicolon.....	— · — ·
C - - -.	Comma.....	— · — —
D - - .	Colon.....	— - - -
E .	Interrogation.....	— - - - -
F . - - .	Exclamation point.....	— - - - -
G - - - .	Apostrophe.....	— - - - -
H - - - -.	Hyphen.....	— - - - -
I ..	Bar indicating fraction.....	— - - - -
J . - - -	Parenthesis.....	— - - - -
K - - - -.	Inverted commas.....	— - - - -
L - - - - -.	Underline.....	— - - - -
M - - - - - -.	Double dash.....	— - - - -
N - - - - - - -.	Distress call.....	— - - - - - -
O - - - - - - - -.	Attention call to precede every transmission.....	— - - - - - - -
P - - - - - - - - -.	General inquiry call.....	— - - - - - - - -
Q - - - - - - - - - -.	From (de).....	— - - - - - - - -
R - - - - - - - - - - -.	Invitation to transmit (go ahead).....	— - - - - - - - -
S - - - - - - - - - - - -.	Warning—high power.....	— - - - - - - - -
T -	Question (please repeat after .....)—interrupting long messages.....	— - - - - - - -
U - - - - - - - - - - - - -.	Wait.....	— - - - - - - -
V - - - - - - - - - - - - - -.	Break (Bk.) (double dash).....	— - - - - - - -
W - - - - - - - - - - - - - - -.	Understand.....	— - - - - - - -
X - - - - - - - - - - - - - - - -.	Error.....	— - - - - - - - -
Y - - - - - - - - - - - - - - - - -.	Received (O. K.).....	— - - -
Z - - - - - - - - - - - - - - - - - -.	Position report (to precede all position messages).....	— - - - -
1 - - - - - - - - - - - - - - - - - - -.	End of each message (cross).....	— - - - -
2 -.	Transmission finished (end of work) (conclusion of correspondence).....	— - - - -
3 -.		
4 -.		
5 -.		
6 -.		
7 -.		
8 -.		
9 -.		
0 -.		

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATIONS.<sup>1</sup>

Abbreviation.	Question.	Answer or notice.
C Q	— · — · — — · —	Signal of inquiry made by a station desiring to communicate.
T R	— — · — ·	Signal announcing the sending of particulars concerning a station on shipboard (Art. XXII).
(I)	— — · · — —	Signal indicating that a station is about to send at high power.
PRB	Do you wish to communicate by means of the International Signal Code?	I wish to communicate by means of the International Signal Code.
QRA	What ship or coast station is that?.....	This is .....
QRB	What is your distance?.....	My distance is .....
QRC	What is your true bearing?.....	My true bearing is ..... degrees.
QRD	Where are you bound for?.....	I am bound for .....
QRF	Where are you bound from?.....	I am bound from .....
QRG	What line do you belong to?.....	I belong to the ..... Line.
QRH	What is your wave length in meters?.....	My wave length is ..... meters.
QRJ	How many words have you to send?.....	I have ..... words to send.
QRK	How do you receive me?.....	I am receiving well.
QRL	Are you receiving badly? Shall I send 20..... ..... for adjustment?	I am receiving badly. Please send 20. ..... for adjustment.
QRM	Are you being interfered with?.....	I am being interfered with.
QRN	Are the atmospherics strong?.....	Atmospherics are very strong.
QRO	Shall I increase power?.....	Increase power.
QRP	Shall I decrease power?.....	Decrease power.
QRQ	Shall I send faster?.....	Send faster.
QRS	Shall I send slower?.....	Send slower.
QRT	Shall I stop sending?.....	Stop sending.
QRU	.....	I have nothing to transmit.
QRV	Are you ready? .....	I have nothing for you.
QRW	Are you busy?.....	I am ready. All right now. I am busy (or, I am busy with ..... Please do not interfere).
QRX	Shall I stand by?.....	Stand by. I will call you when required.
QRY	When will be my turn?.....	Your turn will be No. .....
QRZ	Are my signals weak?.....	Your signals are weak.
QSA	Are my signals strong?.....	Your signals are strong.
QSB	Is my tone bad?.....	The tone is bad.
QSC	Is my spark bad?.....	The spark is bad.
QSD	Is my spacing bad?.....	Your spacing is bad.
QSF	What is your time?.....	My time is .....
QSG	Is transmission to be in alternate order or in series?.....	Transmission will be in alternate order.
QSH	.....	Transmission will be in series of 5 messages.
QSJ	What rate shall I collect for?.....	Transmission will be in series of 10 messages.
QSK	Is the last radiogram canceled?.....	Collect .....
QSL	Did you get my receipt?.....	The last radiogram is canceled. Please acknowledge.

<sup>1</sup> When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATIONS—Continued.

Abbreviation.	Question.	Answer or notice.
QSM	What is your true course? .....	My true course is ..... degrees.
QSN	Are you in communication with land? .....	I am not in communication with land.
QSO	Are you in communication with any ship or station (or: with .....)?	I am in communication with ..... (through .....).
QSP	Shall I inform ..... that you are calling him? .....	Inform ..... that I am calling him.
QSQ	Is ..... calling me? .....	You are being called by .....
QSR	Will you forward the radiogram? .....	I will forward the radiogram.
QST	Have you received the general call? .....	General call to all stations.
QSU	Please call me when you have finished (or: at ... o'clock). .....	Will call when I have finished.
QSV <sup>1</sup>	Is public correspondence being handled? .....	Public correspondence is being handled. Please do not interfere.
QSW	Shall I increase my spark frequency? .....	Increase your spark frequency.
QSX	Shall I decrease my spark frequency? .....	Decrease your spark frequency.
QSY	Shall I send on a wave length of ..... meters?	Let us change to the wave length of ..... meters.
QSZ	.....	Send each word twice. I have difficulty in receiving you.
QTA	.....	Repeat the last radiogram.
QTC	Have you anything to transmit? .....	I have something to transmit. I have one or more radiograms for .....
QTE	What is my true bearing? .....	Your true bearing is ..... degrees from .....
QTF	What is my position? .....	Your position is ..... latitude ..... longitude.

<sup>1</sup> Public correspondence is any radio work, official or private, handled on commercial wave lengths.





NOV 14 1923.

DEPARTMENT OF COMMERCE  
BUREAU OF NAVIGATION  
RADIO SERVICE

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COMMERCIAL AND GOVERNMENT  
RADIO STATIONS OF THE  
UNITED STATES

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EDITION JUNE 30, 1923



WASHINGTON  
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1923

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Additional copies of this publication may be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Amateur Radio Stations of the United States, 25 cents; Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in radio laws and regulations and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year.

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III

## NOTES.

Supplements, under the title "Radio Service Bulletin," are issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction and to those concerned with the operation of Government and commercial radio stations for their information.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

In looking up a station in this list it should be borne in mind that names of stations consisting of several words, such as Samuel L. Fuller and Hillsborough County, have been placed where they would have appeared if the name consisted of only a single word. This is done in conformity with the publications of the Berne Bureau and International Regulations.

Copies of this bulletin may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per year.

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Underscoring of normal wave length is indicated by the use of italics, except in list of Government land stations (see note at head of Government land station list).

### ABBREVIATIONS USED IN THIS LIST.

#### Nature of service:

PG=General public.

PR=Limited public.

RC=Radio compass station.

P=Private (limited commercial and special).

O=Government business exclusively.

FX=Fixed station.

#### Hours of operation:

N=Continuous service.

X=No regular hours.

#### Vessel owners:

U. S. S. B.=United States Shipping Board.

#### Radio companies:

F. T. Co.=Federal Telegraph Co.

I. W. T. Co.=Independent Wireless Telegraph Co.

R. C. of A.=Radio Corporation of America.

S. O. R. S.=Ship Owners Radio Service.

T. R. T. Co.=Tropical Radio Telegraph Co.

#### Classification:

b=Ship station.

c=Land station.

# **COMMERCIAL AND GOVERNMENT RADIO STATIONS OF THE UNITED STATES.**

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## **INTRODUCTION.**

The list, including land and ship stations, is published in accordance with section 1 of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

This publication contains a complete list of the commercial and Government land and ship stations, technical and training stations, experimental stations, and special amateur stations. A complete list of Amateur Radio Stations of the United States is printed separately, copies of which are available only from the Superintendent of Documents, Government Printing Office, Washington, D. C., at a nominal price.

The following instructions concerning radio call letters are issued for the information of those concerned:

1. Section 7 of the act of August 13, 1912, to regulate radio communication, provides:

Sec. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.

2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention, and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus

authorized is printed as follows for the guidance of operators of all stations (ship and shore) of the United States:

Call letters.	Country.	Call letters.	Country.
AAA-AMZ	Germany.	N	United States.
ANA-APZ	Dutch Indies.	OAA-OBZ	Peru.
AQA-AWZ	Norway.	OCA-OFZ	Great Britain.
AXA-AXZ	Poland.	OGA-OIZ	Denmark.
AYA-AYZ	Venezuela.	OJA-OJZ	Finland.
AZA-AZZ		OKA-OKZ	Czechoslovakia.
B	Great Britain.	OLA-OMZ	Netherlands.
CAA-CEZ	Chile.	ONA-OTZ	Belgium (colonies).
CFA-CKZ	Great Britain protectorates.	OUA-OZZ	Denmark.
CLA-CMZ	Spain.	PAA-PIZ	Netherlands.
CNA-CNZ	Morocco.	PJA-PJM	Curacao.
COA-COZ	Great Britain.	PJN-PJZ	Dutch Guiana.
CPA-CPZ	Bolivia.	PKA-PMZ	Dutch Indies.
CQA-CQZ	Monaco.	PNA-PPZ	Brazil.
CRA-CRZ	Portugal (colonies).	PQA-PSZ	Portugal.
CSA-CUZ	Portugal.	PTA-PVZ	Brazil.
CVA-CVZ	Rumania.	PWA-PWZ	Cuba.
CWA-CWZ	Uruguay.	PXA-PZZ	Netherlands.
CXA-CXZ	Spain.	Q	Reserved for abbreviations.
CYA-CZZ	Mexico.	RAA-RQZ	Russia.
DAA-DSZ	Germany.	RRA-RZZ	
DTA-DTZ	Danzig (Free State).	SAA-SMZ	Sweden.
DUA-DZZ	Germany.	SNA-STZ	Brazil.
EAA-EHZ	Spain (colonies).	SUA-SUZ	Egypt.
EIA-EZZ	Great Britain.	SVA-SZZ	Greece.
F	France (colonies and protectorates).	TAA-TEZ	Turkey.
G	Great Britain.	TFA-TFZ	Iceland.
HAA-HAZ	Hungary.	TGA-THZ	Greece.
HBA-HBZ	Switzerland.	TIA-TOZ	Spain.
HCA-HCZ	Ecuador.	TPA-TUZ	Norway.
HDA-HEZ	Netherlands.	TVB-TVZ	Netherlands.
HFA-HFZ	Kingdom of Serbia.	UAA-UMZ	France (colonies and protectorates).
HGA-HHZ	Siem.	UNA-UNZ	Kingdom of Serbia.
HIA-HIZ	Dominican Republic.	UOA-UOZ	Austria.
HJA-HKZ	Colombia.	UPA-UZZ	Italy.
HLA-HNU	Spain.	VAA-VGZ	Canada.
KNV-HNZ	New Hebrides.	VHA-VKZ	Australia.
HOA-HZZ	France (colonies and protectorates).	VLA-VMZ	New Zealand.
I	Italy (colonies).	VNA-VNZ	Africa.
J	Japan.	VOA-VOZ	Newfoundland.
KAA-KAY	Germany.	VPA-VSZ	Great Britain (colonies and protec-
KAZ	Danzig (Free State).	VTA-VWZ	torates autonomous).
KBA-KBZ	Germany.	VXA-VZZ	British Indies (Persian Gulf).
KCA-KCZ	Lettonia.	W	Great Britain (colonies and protec-
KDA-KZZ	United States.	XAA-XDZ	torates).
LAA-LHZ	Norway.	XEA-XMZ	United States.
LIA-LRZ	Argentina.	XNA-XSZ	Mexico.
LSA-LUZ	Great Britain.	XTA-XZZ	Great Britain.
LVA-LVZ	Guatemala.	Y	China.
LWA-LWZ	Norway.	Z	Do.
LXA-LZZ	Bulgaria.		Do.
M	Great Britain.		

#### PUBLIC-SERVICE STATIONS.

3. The call letters assigned to the United States are all three and four letter combinations, beginning with the letter N and all beginning with the letter W, and all combinations from KDA to KZZ, inclusive. The international call letters assigned to the United States are reserved for Government stations and stations open to public and limited commercial service.

(a) All combinations beginning with the letter N are reserved for Government stations, and, in addition, the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the United States Army.

(b) During the war the combinations of three letters beginning with K, W, and N were exhausted, and it was necessary to assign combinations of four letters beginning with K, W, and N. Operators should be careful in transmitting call letters to avoid confusion between the three and the four letter combinations.

#### LIMITED COMMERCIAL STATIONS.

4. Call letters for limited commercial land and ship stations are allotted by the Bureau of Navigation.

#### RADIO STATIONS OF THE WORLD.

5. The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland. In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates. The international list includes the Government and commercial land and ship stations of the United States. The list is divided into three sections. The first section contains a list of coast stations, grouped by countries and arranged alphabetically; the second section contains a list of ship stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are stated in francs and centimes. Supplements to the international list will be issued monthly and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business, as the official tariff book, and a copy of this list is required as a part of the equipment of every land station open to general public service and every ship station of the first or second class on American vessels engaged in foreign trade or the transoceanic service. The international alphabetical list of call letters (stations of the world) is also issued by the International Bureau at Berne, and supplements are issued monthly. Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

D. B. CARSON,  
*Commissioner of Navigation.*

Approved:

HERBERT HOOVER,  
*Secretary of Commerce.*



# COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Aberdeen, Wash.....	KZE	300, 450, 600..	PR	X	Grays Harbor Stevedore Co.
Akutan, Alaska.....	KMW	300, 600, 1600..	PR	X	North Pacific Sea Products Co
Alitak, Alaska.....	KYL	300, 500, 600..	FX	X	Alaska Packers Assn.
Amaguis, P. I. (Tayabas Province).	KPB	600, 1000..	PG	(*)	Philippine Insular Government.
Arroyo Park Camp, Calif.	KEY	1764.....	FX	X	Southern California Edison Co.
Balabac, P. I.....	KEW	600, 1200..	PG	(*)	Philippine Insular Government.
Barnegat, N. J. (Tuckerton).	WCI	16700.....	FX	N	R. C. A.
Basco, P. I.....	KZAB	600, 1200, 1500 1800, 2400	PG	(*)	Philippine Insular Government.
Batangas, P. I.....	KPC	3000.....	PG	(*)	Do.
Baytown, Tex.....	KDPS	300, 600, 706..	PR	X	Humble Oil & Refining Co.
Beaumont, Tex.....	WOD	300, 600, 706..	PR	X	Magnolia Petroleum Co.
Becharof, Alaska.....	KUDV	300, 500, 600..	FX	X	Alaska Packers Assn.
Belmar, N. J. (see New Brunswick, N. J.).					
Babylon, N. Y. (see New York, N. Y.).					
Baltimore, Md.....	WEQ	731, 909.....	FX	X	Board of Fire Commissioners.
Big Creek (Camp 62), Calif.	KVP	1764.....	FX	X	Southern California Edison Co.
Big Creek (Camp 63), Calif.	KRY	1764.....	FX	X	Do.
Bolinas, Calif.....	KET	13345.....	FX	N	R. C. A.
Bolinas, Calif.....	KPH	300, 450, 600, 1800	PG	N	Do.
Bongao, P. I.....	KEO	600, 952.....	PG	(*)	Philippine Insular Government.
Boston, Mass.....	WB F	300, 600, 1800..	PG	N	T. R. T. Co.
Bristol Bay, Alaska (see Metha Nelson).					
Burrwood, La.....	WBW	300, 600, 1700..	PG	X	Do.
Butte, Mont.....	KMN	1700.....	FX	X	Montana Power Co.
Cagayan de Sulu, P. I.....	KEV	750.....	PG	(*)	Philippine Insular Government.
Calapan, P. I. (Mindoro).	KZAC	300, 600, 952..	PG	(*)	Do.
Camp Eustis, Va. (Flagship Div. 1).	WPF	300, 600.....	FX	X	U. S. S. B.
Camp 60, Calif.....	KDPV	1650.....	FX	X	Southern California Edison Co.
Camp 61, Calif.....	KDPW	1650.....	FX	X	Do.
Camp 61-C, Calif.....	KFM	1650.....	FX	X	Do.
Candle, Alaska.....	KGF	300, 550, 600..	FX	X	Robinson & Greenberg.
Cape May, N. J.....	WCY	300, 450, 600, 1610	PG	N	R. C. A.
Carlisle, Alaska.....	KOV	300, 600, 1610..	PG	X	Carlisle Packing Co.
Cascade, Calif.....	KDPU	1650.....	FX	X	Southern California Edison Co.
Casper, Wyo.....	KDC	1685.....	FX	X	Illinois Pipe Line Co.
Cebu, P. I.....	KPI	600, 1200..	PG	(*)	Philippine Insular Government.
Ceiba, P. R.....	WKK	300, 600, 1610..	PG	(*)	Bureau of Insular Telegraph.
Chatham, Mass.....	WIM	300, 450, 600..	PG	N	R. C. A.
Chatham, Mass. (see Marion, Mass.).	WSO				
Cheboygan, Mich.....	KUXM	300, 600, 1599..	FX	X	Warren W. Kathan.
Chicago, Ill.....	WBU		FX	X	City of Chicago.
Chichagof, Alaska.....	KRX	300, 550, 600..	PG	X	Chichagof Mining Co.
Chignik, Alaska.....	KHC	300, 600, 1610..	FX	X	Alaska Packers Assn.
Chignik, Alaska.....	KNP	300, 525, 600, 1650	FX	X	Columbia River Packers Assn.
Chisik Island, Alaska....	KUCP	300, 550, 600, 1650	FX	X	Pioneer Canneries.
Chomly, Alaska.....	KDP	300, 550, 600..	FX	(*)	Alaska Consolidated Canneries.
Clarks Point, Alaska....	KHG	300, 400, 500, 600	FX	X	Alaska Packers Assn.
Clearwater, Calif.....	KNR	3375, 4200, 5500	FX	(*)	F. T. Co.
Clearwater, Calif.....	KOK	300, 600, 1500..	PG	N	Do.
Cleveland, Ohio.....	KDPM	300, 600, 1817..	FX	X	Westinghouse Electric & Mfg. Co.
Cleveland, Ohio.....	WTK	300, 600..	PG		Inter-City Radio Telegraph Co.
Coram Hill, N. Y.....	WQL	17500.....	FX		R. C. A.
Cranston, R. I.....	WKAP	300, 600..	FX		Dutee W. Flint.
Culion, P. I.....	KPJ	600, 1200..	PG	(*)	Philippine Insular Government.
Cuyo, P. I.....	KIX	600, 1200..	PG	(*)	Do.
Daly, Alaska.....	KDJT	300, 550, 600..	FX	X	Alaska-Portland Packers Assn.
Davao, P. I. (Mindinao Island).	KIF	600, 1200..	PG	(*)	Philippine Insular Government.
Davenport, Iowa.....	WOC	674.....	FX	X	Palmer School of Chiropractic.
Dearborn, Mich.....	KDEN	300, 600, 1713..	FX	X	Henry Ford.
Detroit, Mich.....	KDPH	300, 600, 1621..	FX	X	Detroit-Edison Co.

\* See footnotes to this table on p. 8.

## 6 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service	Hours.	Station controlled by—
Detroit, Mich.	WWJ	300, 600, 750..	FX	X	Evening News Assn.
East Hampton, N. Y.	WSA	300, 600..	PG	N	I. W. T. Co.
East Moriches, N. Y.	WSE	300,600,1800, 2500	PG	N	Do.
East Pittsburgh, Pa.	KDKA	1817.....	FX	X	Westinghouse Electric & Mfg. Co.
Eggeik, Alaska	KMF	300, 550, 600..	FX	X	Libby, McNeill & Libby.
Ekluk, Alaska	KMKG	300, 500, 600..	FX	X	Do.
El Dorado, Kans.	WAH	1599.....	FX	X	Midland Refining Co.
Ensenada, P. R.	WPR	300, 450, 600, 1800	PG	(10)	South Porto Rico Sugar Co. of Porto Rico.
Everett, Wash.	KFT	300, 600..	PG	N	American Tug Boat Co.
Fairport, Va.	KDAH	300, 450, 600..	FX	X	C. E. Davis Packing Co.
False Pass, Alaska	KJL	300, 525, 600, 1650	FX	X	P. E. Harris & Co.
Fort Morgan, Ala.	WIO	300, 450, 600, 1700	PG	X	T. R. T. Co.
Frackville, Pa.	WBI	1650.....	FX	X	Penn. Power & Light Co.
Frankfort, Mich.	WFK	300, 600, 1666..	PG	(11)	Ann Arbor Railway Co.
Fresno, Calif.	KDN	300, 550, 600..	FX	X	San Joaquin Light & Power Corp.
Funter, Alaska	KXK	300, 550, 600..	FX	X	Thinket Packing Co.
Guntersville, Ala.	WKH	.....	FX	X	Nashville, Chattanooga & St. Louis Ry.
Harrisburg, Pa.	WBAK	400.....	FX	X	Pennsylvania State Police.
Hauto, Pa.	WDS	1650.....	FX	X	Penn. Power & Light Co.
Hawk Inlet, Alaska	KKAI	300, 550, 600..	FX	X	P. E. Harris & Co.
Hazelton, Pa.	WCJ	1650.....	FX	X	Penn. Power & Light Co.
Hidden Inlet, Alaska	KQL	300, 450, 600..	PG	X	A. & P. Products Co.
Hillsboro, Oreg.	KEK	300, 600, 1800..	PG	N	F. T. Co.
Hillsboro, Oreg.	KGH	4120, 6175, 8500	FX	X	Do.
Honolulu, Hawaii	KOG	300, 550, 600..	PG	(12)	Mutual Telephone Co.
Hyder, Alaska	KDFA	300, 600, 1610..	PG	(13)	Hyder Radio & Telephone Co.
Ikatan, Alaska	KXW	300, 450, 600..	FX	X	Pacific-American Fisheries.
Iloilo, P. I.	KPM	600, 1200.....	PG	(4)	Philippine Insular Government.
Isabela de Basilan, P. I.	KPN	200.....	PG	(8)	Do.
Jackson, Ohio	WJQ	1831.....	FX	X	Ford Motor Co.
Johnwood, Mich.	KUVQ	300, 450, 600..	FX	X	Kreentan Co.
Jolo, P. I.	KIL	600, 1200, 1900	PG	(9)	Philippine Insular Government.
Jordan, Mont.	KUVR	.....	FX	(14)	Miles City-Jordan Wireless Co.
Kahuku, Hawaii	KGI	16300.....	FX	N	R. C. A.
Kahuku, Hawaii	KIE	9145, 16975..	FX	N	Do.
Kanatak, Alaska	KGC	300, 525, 600, 1625	FX	X	Associated Oil Co.
Karluk, Alaska	KYK	300, 500, 600..	FX	X	Alaska Packers Assn.
Katalla, Alaska	KSC	300, 600, 1650..	PG	X	Chilkat Oil Co.
Kaumakakai, Hawaii	KHO	300, 550, 600..	FX	(23)	Mutual Telephone Co.
Kawaihae, Hawaii	KHN	300, 550, 600..	FX	(15)	Do.
King Cove, Alaska	KJK	300, 450, 600, 1610	PG	X	Pacific-American Fisheries Co.
Koggiung (moored ves- sel, Koggiung River, Alaska).	KUBX	300, 400, 600..	FX	X	Alaska Packers Assn.
Koggiung, Alaska	KVV	300, 450, 600, 1600	FX	(16)	Libby, McNeill & Libby.
Koko Head, Hawaii (see Kahuku, Hawaii).	KIE	.....	FX	X	.....
Kukak Bay, Alaska	KDN	300, 550, 600..	FX	X	Hemrich Packing Co. (Walter Hemrich).
Kussilof, Alaska	KKAO	525, 600, 1610..	FX	X	Alaska Packers Assn.
Kvichak, Alaska	KHB	300, 400, 500, 600	FX	X	Do.
Laguna Bell Camp, Calif.	KYG	1764.....	FX	X	Southern California Edison Co.
Latouche, Alaska	KIM	300, 600, 1650..	PG	X	Kennecott Copper Corp.
Lawrenceville, Ill.	WJB	1790.....	FX	X	Indian Pipe Line Corp.
Lazy Bay, Alaska	KEPS	300, 600, 1650..	FX	X	Alitak Packing Co.
Libbyville, Alaska	KMT	300, 600, 1700, 2200	PG	X	Libby, McNeill & Libby.
Lihue, Hawaii	KHM	300, 550, 600..	FX	X	Mutual Telephone Co.
Lima, Ohio	WBY	1685.....	FX	X	Illinois Pipe Line Co.
Lockanok, Alaska	KML	300, 550, 600, 1650	FX	X	Libby, McNeill & Libby.
Long Beach, Calif.	KUXT	300, 450, 600..	FX	(8)	Pacific Telep. & Teleg. Co.
Los Angeles, Calif.	KHI	300, 600, 1764..	FX	X	Southern California Edison Co.
Los Angeles, Calif. (port- able).	KPK	.....	FX	X	Los Angeles Examiner.
Los Angeles, Calif. (see Wilmington, Calif.).	KSE	.....	FX	X	.....
Los Angeles, Calif.	KVT	300, 600, 1610..	FX	X	Boulevard Express.
Los Angeles, Calif.	KWH	.....	FX	X	Examiner Printing Co. (L. A. Examiner).
Lost Harbor, Alaska	KWS	300, 550, 600..	FX	X	Alaska Sulphur Co.
Livingston, Mich.	WLD	300, 450, 600, 1666..	PG	(17)	Pere Marquette Railway Co.
Madison, Wis.	WHA	1290.....	FX	X	University of Wisconsin.

COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Malabang, P. I.....	KIZ	600, 1200.....	PG	(9)	Phillipine Insular Government.
Malangas, P. I.....	KPV	600, 900.....	PG	(9)	Do.
Malita, P. I.....	KPW	600, 1200.....	PG	(9)	Do.
Manitowoc, Wis.....	WMW	300, 600.....	PG	N	Pere Marquette Railway Co.
Marion, Mass.....	WCC	300, 600, 2800.....	PG	R. C. A.	R. C. A.
Marion, Mass. (Mata-poisett).	WRQ	13900.....	FX	N	Do.
Marion, Mass.....	WSO	11620.....	FX	N	Do.
Marshall, Calif. (see Bolinas, Calif.).	KET				
Martinsville, Ill.....	WHY	1689.....	FX	X	Illinois Pipe Line Co.
Mati, P. I.....	KPZ	600, 952.....	PG	(9)	Phillipine Insular Government.
Metha Nelson (moored vessel, Bristol Bay, Alaska.)	KMP	300, 400, 600.....	FX	X	Alaska Packers Assn.
Miami, Fla.....	WAX	300, 450, 600, 706, 1599.....	PG	N	T. R. T. Co.
Miles City, Mont.....	KUXN		FX	(14)	Miles City-Jordan Wireless Co.
Minneapolis, Minn.....	WLP	1764.....	FX	X	Northern States Power Co.
Mobile, Ala.....	WNN				T. R. T. Co.
Naknek, Alaska.....	KHT	300, 600, 1610.....	FX	X	Alaska Packers Assn.
Naknek, Alaska.....	KMK	300, 500, 600, 1800.....	FX	X	Naknek Packing Co.
Negley, Ohio.....	WCQ	1685.....	FX	X	Illinois Pipe Line Co.
Nelson Lagoon, Alaska.....	KXV	300, 450, 600.....	FX	X	Pacific-American Fisheries.
Newark, N. J.....	WJZ	3100.....	FX	X	Westinghouse Electric & Mfg. Co.
New Brunswick, N. J.....	WII	13600.....	FX	N	R. C. A.
New Brunswick, N. J. (Bound Brook).	WRT	11500.....	FX	N	Do.
New London, Conn.....	WLC	300, 600.....	PG	N	Do.
New London, Conn.....	WST	300, 450, 600.....	PG	(18)	I. W. T. Co.
New Orleans, La.....	WNU	300, 600, 1700 2850.....	PG	N	T. R. T. Co.
New York, N. Y.....	KUVS	300, 450, 600.....	PR	X	City of New York, Police Department.
New York, N. Y.....	WBC	300, 600, 1800.....	PG	N	I. W. T. Co.
New York, N. Y.....	WCG	300, 600.....	PG	(19)	Do.
New York, N. Y.....	WHI	300, 600, 1700.....	FX	(20)	John Wanamaker .
New York, N. Y. (Borough of Brooklyn).	WNY	300, 600, 2000.....	PG	N	R. C. A.
Northville, Mich.....	KDEP	1909.....	FX	X	Henry Ford.
Nushagak, Alaska.....	KKAE	300, 600, 1600.....	FX	X	Libby, McNeill & Libby.
Oakland, Calif. (portable).	KGA	143.....	FX	X	Tribune Publishing Co.
Owensboro, Ky.....	WJC	1790.....	FX	X	Indian Pipe Line Corp.
Palo Alto, Calif.....	KWT	3554, 3900, 4300, 4783, 5720, 7587.....	FX	X	F. T. Co.
Pearl Creek Dome, Cold Bay oil district, Alaska.....	KFU	1700.....	FX	X	Standard Oil Co. of Calif.
Pedroctitas, Calif.....	KUXV	300, 450, 600.....	FX	(8)	Pacific Telep. & Teleg. Co.
Philadelphia, Pa.....	WHE	300, 600, 1700.....	FX	(21)	John Wanamaker.
Pilot Point, Alaska.....	KUDT	300, 500, 600.....	FX	X	Alaska Packers Assn.
Pirate Cove, Alaska.....	KOZN	300, 600, 1650.....	PG	(22)	Union Fish Co.
Point Reyes, Calif. (Bolinas).	KDU	13100.....	FX	N	R. C. A.
Port Althorp, Alaska.....	KLW	300, 450, 525, 600.....	FX	X	Deep Sea Salmon Co.
Port Beauclaire, Alaska.....	KWO	300, 550, 600.....	FX	X	Beauclaire Packing Co.
Port Huron, Mich.....	KDPJ	300, 600, 1625.....	FX	X	Detroit-Edison Co.
Port Lebak, P. I.....	KPX	600, 952, 1200.....	PG	(9)	Phillipine Insular Government.
Port Moller, Alaska.....	KWR	300, 450, 600, 1610.....	PR	X	Pacific-American Fisheries.
Port Walter, Alaska.....	KEQ	300, 500, 525, 600.....	PG	X	Alaska Herring & Sardine Co.
Princeton, Ind.....	WJAV	1790.....	FX	X	Indian Pipe Line Corp.
Puerto Princesa, P. I.....	KIV	600, 1200.....	PG	(9)	Phillipine Insular Government.
Pybus Bay, Alaska.....	KFC	300, 550, 600.....	FX	(7)	Alaska Consolidated Canneries.
Quadra, Alaska.....	KHD	300, 550, 600.....	FX	(7)	Do.
Quincy, Mass.....	KDGU	300, 600, 1966.....	FX	X	Bethlehem S. S. Corp.
Radioville, Alaska.....	KWW	300, 550, 600.....	PG	X	Joseph H. Bauer.
Rainbow, Mont. (near Great Falls).	KLQ	1700.....	FX	X	Great Falls Power Co.
Raleigh, N. C.....	WLAC		FX	X	North Carolina State College.
Rogers, Mich.....	WHT	300, 450, 600, 1800.....	PG	N	Michigan Limestone & Chemical Co.
Rose Inlet, Alaska.....	KJC	300, 550, 600.....	FX	(7)	Alaska Consolidated Canneries.
Ruby, moored vessel, Koggilung River, Alaska.	KDRH	300, 400, 600.....	FX	X	Alaska Packers Assn.
St. Croix Falls, Wis.....	WPL	1764.....	FX	X	Northern States Power Co.
St. James, N. Y.....	WQK	16465.....	FX	N	R. C. A.

## 8 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Saltchuck, Alaska.....	KWQ	300, 550, 600..	FX	X	Saltchuck Mining Co.
San Diego, Calif.....	KVU	300, 600, 1610..	FX	X	Boulevard Express.
San Francisco, Calif.....	KEB	300, 600..	FX	N	Marine Exchange.
San Francisco, Calif.....	KFS	300, 600, 1800..	PG	N	F. T. Co.
San Francisco, Calif.....	KHH	300, 600.....	FX	X	John P. Hickey.
San Francisco, Calif. (portable).....	KII	.....	FX	X	United Press.
San Francisco, Calif. (portable).....	KTA	143.....	FX	X	Examiner Printing Co.
San Francisco, Calif.....	KUO	143, 300, 600, 690	FX	X	Do.
San Francisco, P. I. (Carmotes).....	KPY	300, 600.....	PG	(9)	Philippine Insular Government.
San Gabriel Camp, Calif.....	KQT	1764.....	FX	X	Southern California Edison Co.
San Jose, P. I. (Mindoro Island).....	KIY	600, 1200.....	PG	(9)	Philippine Insular Government.
San Ysidro, Calif.....	KFN	.....	FX	X	Lester Picker.
Seattle, Wash.....	KPE	300, 450, 550, 600	PG	N	City of Seattle, Harbor Department.
Seattle, Wash.....	KVW	.....	FX	X	City of Seattle, Light Department.
Seldovia, Alaska.....	KEA	300, 550, 600..	PG	X	Adam Lipke.
Shock, Ky.....	WAII	1610.....	FX	X	Sullivan Pond Creek Co.
Siasconset, Mass.....	WSC	300, 450, 600, 1610	PG	X	R. C. A.
Siasi, P. I.....	KED	600.....	PG	(9)	Philippine Insular Government.
Skagit Power Site, Wash.....	WJE	.....	FX	X	City of Seattle, Light Department.
Snag Point, Alaska.....	KHF	300, 400, 500, 600	FX	X	Alaska Packers Assn.
Springfield, Mass.....	WBZ	1817.....	FX	X	Westinghouse Electric & Mfg. Co.
Springfield, Ohio.....	WNA	1875.....	FX	X	Ford Motor Co.
Stanford University, Calif.....	KFGH	.....	FX	X	Leland Stanford University.
Superior, Mich.....	KDPI	1625.....	FX	X	Detroit-Edison Co.
Tampa, Fla.....	WPD	300, 450, 600.....	PG	(17)	George C. Warner, jr. (Gulf Radio Service).
Tee Harbor, Alaska.....	KQP	300, 550, 600..	FX	(7)	Alaska Consolidated Canneries.
Tenakee, Alaska.....	KOSC	300, 550, 600..	FX	X	Columbia Salmon Co.
Thompson Falls, Mont.....	KLL	1700.....	FX	X	Thompson Falls Power Co.
Tralee, W. Va.....	WCAA	.....	FX	X	Meade Pocahontas Coal Co.
Tuckerton, N. J.....	WGG	15900.....	FX	N	R. C. A.
Tullahoma, Tenn.....	WJJ	.....	FX	X	Nashville, Chattanooga & St. Louis Railway.
Tulsa, Okla.....	WEH	1599.....	FX	X	Midland Refining Co.
Ugashik, Alaska.....	KMU	300, 500, 600..	FX	X	Red Salmon Canning Co.
Unga, Alaska.....	KVI	300, 600, 1800..	FX	X	Alaska Codfish Co.
Union Bay, Alaska.....	KON	300, 450, 600, 1800	PG	X	A. & P. Products Co.
Uyak, Alaska.....	KHA	300, 600, 1610..	FX	X	Alaska Packers Assn.
Vieques, P. R.....	WGW	300, 600, 1610..	PG	(6)	Bureau of Insular Telegraph.
Wahiaha, Hawaii.....	KHK	300, 550, 600..	PG	N	Mutual Telephone Co.
Wailuku, Hawaii.....	KHL	300, 550, 600..	FX	(23)	Do.
Warren, Alaska.....	KDJU	300, 550, 600, 1610	FX	X	Alaska-Portland Packers Assn.
Wilmington, Calif.....	KSE	300, 450, 600..	PG	N	R. C. A.
Yakutat, Alaska.....	KKA	300, 550, 600..	FX	X	Libby, McNeill & Libby.
Yes Bay, Alaska.....	KRU	300, 550, 600..	FX	(7)	Alaska Consolidated Canneries.
Zamboanga, P. I.....	KIW	1220.....	PG	(4)	Philippine Insular Government.

<sup>1</sup> 8 a. m. to 12 noon; 2 to 5.30 p. m. daily; Sundays and holidays, 8 to 10 a. m.; 4 to 5.30 p. m.<sup>2</sup> 8 a. m. to 12 noon; 2 to 5.30 p. m. daily; Sundays and holidays, 9 to 11 a. m.; ship schedule, first 10 minutes of each hour.<sup>3</sup> 8 a. m. to 12 noon; 2 to 5.30 p. m. daily; ship schedule, first and last 10 minutes of each hour.<sup>4</sup> 7 a. m. to 8 p. m. daily; Sundays and holidays, 9 to 11 a. m.<sup>5</sup> 8 a. m. to 12 noon; 2 to 5.30 p. m. daily; Sundays and holidays, 9 to 11 a. m.; ship schedule, last 10 minutes of each hour.<sup>6</sup> 8 to 12 noon; 1 to 6 and 7 to 8 p. m.<sup>7</sup> 8 to 10 a. m.; 7 to 10 p. m.<sup>8</sup> 7 a. m. to 11 p. m.<sup>9</sup> 8 a. m. to 12 noon; 2 to 5.30 p. m. daily; Sundays and holidays, 9 to 11 a. m.<sup>10</sup> 5 a. m. to 12 noon; 1 to 10 p. m.<sup>11</sup> 8 a. m. to 12 noon; 1 to 5 p. m.; 8 p. m. to 12 midnight; 1 to 5 a. m.<sup>12</sup> 7.30 a. m. to 11 p. m.<sup>13</sup> 9 a. m. to 12 noon; 6 to 9 p. m.<sup>14</sup> 8 a. m. to 6 p. m.<sup>15</sup> 7.30 a. m. to 11 p. m.<sup>16</sup> 6.30 to 9.30 p. m.<sup>17</sup> 5 a. m. to 12 midnight.<sup>18</sup> 8 p. m. to 4 a. m.<sup>19</sup> 8 a. m. to 12 midnight.<sup>20</sup> 9 a. m. to 5 p. m.<sup>21</sup> 9 a. m. to 6 p. m.<sup>22</sup> 9 to 11 a. m.; 6 to 12 midnight.<sup>23</sup> 7 a. m. to 5.30 p. m.

# COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
A. A. Dougherty.	KDHX	300, 450, 600.	PG-X	National Oil Transp. Co.	I. W. T. Co.
A. A. Augustus.	KDXQ	300, 600.....	PG-X	Pioneer S. S. Co.	R. C. A.
Abangarez.	KDI	300, 600.....	PG-N	United Fruit S. S. Corp.	T. R. T. Co.
Abercos.	KOVR	300, 450, 600.	PG-X	U. S. S. B.	S. O. R. S.
Ablanset.	KIXF	300, 600.....	PG-X	do.	
Abner Coburn.	WHR	300, 600.....	PG-X	Libby, McNeill & Libby.	
Abraham Lincoln.	KIXS	300, 600.....	PG-X	U. S. S. B.	
Abron.	KEBD	300, 450, 600, 706	PG-X	do.	R. C. A.
Absaroka.	WKW	300, 450, 600	PG-X	do.	
Absecon.	KSEA	300, 450, 600.	PG-X	A. H. Bull S. S. Co.	I. W. T. Co.
A. C. Bedford.	KNZ	300, 450, 600.	PG-X	Standard Oil Co. of N. J.	R. C. A.
Accomac.	KMOE	300, 600.....	PG-X	U. S. S. B.	
Achilles.	KPT	300, 450, 600.	PG-N	Panama R. R. Co.	Owner of vessel.
Acme.	KIJ	300, 600.....	PG-X	Standard Transpn. Co.	R. C. A.
Adam E. Cornelius	KDVF	300, 600.....	PG-X	American S. S. Co.	Owner of vessel.
Adler.	KDTT	300, 600.....	PG-X	Corona Coal Co.	Do.
Admiral Dewey.	WAY	300, 450, 600.	PG-N	Pacific S. S. Co.	R. C. A.
Admiral Evans.	KICZ	300, 450, 600.	PG-N	do.	Do.
Admiral Farragut.	WAF	300, 600.....	PG-N	do.	Do.
Admiral Fiske.	WGS	300, 450, 600.	PG-N	do.	Do.
Admiral Goodrich.	WRJ	300, 450, 600.	PG-N	do.	Do.
Admiral Nicholson.	KMAA	300, 450, 600.	PG-X	do.	Do.
Admiral Rodman.	WOA	300, 600.....	PG-N	do.	Do.
Admiral Rogers.	WGE	300, 450, 600.	PG-N	do.	Do.
Admiral Schley.	WAZ	300, 450, 600. 706	PG-N	do.	Do.
Admiral Sebree.	WAG	300, 450, 600.	PG-X	Pacific-Alaska Nav. Co.	Do.
Admiral Watson.	WAW	300, 450, 600.	PG-N	Pacific S. S. Co.	Do.
Adria.	KUSZ	300, 450, 600.	PG-X	U. S. S. B.	
Advance.	KMV	300, 450, 600, 706	PG-N	J. Abbott Nile.	Do.
A. E. R. Schneider.	WFUI	300, 600.....	PG-X	Morrow S. S. Co.	Owner of vessel.
Afel.	KISQ	300, 600.....	PG-X	U. S. S. B.	R. C. A.
Afoundria.	KOMQ	300, 450, 600.	PG-X	do.	S. O. R. S.
Agarista.	KLUU	300, 600.....	PG-X	do.	
Agawam.	WNIE	300, 450, 600.	PG-X	do.	
Agnes Dollar.	WSF	300, 450, 600, 706	PG-X	Dollar S. S. Line.	R. C. A.
Agwibay.	KDSR	300, 600.....	PG-X	Guaranty Trust Co.	I. W. T. Co.
Agwidale.	WDOA	300, 450, 600.	PG-X	Mallory S. S. Co.	Do.
Agwihavre.	KDRX	300, 450, 600.	PG-X	Atlantic, Gulf & West Indies S. S. Lines.	Do.
Agwilake.	KDNN	300, 600.....	PG-X	do.	Do.
Agwimars.	KDMC	300, 450, 600.	PG-X	do.	Do.
Agwimex.	KDUQ	300, 600.....	PG-X	do.	Do.
Agwimoon.	KDBC	300, 600.....	PG-X	do.	Do.
Agwisea.	KDMB	300, 600.....	PG-X	do.	Do.
Agwismith.	KDRC	300, 450, 600.	PG-X	do.	Do.
Agwistar.	KEPG	300, 450, 600,	PG-X	New York & Cuba Mail S. S. Co.	Do.
Agwistone.	KDPO	300, 450, 600.	PG-X	Atlantic, Gulf & West Indies S. S. Lines.	Do.
Agwisun.	KDAD	300, 450, 600..	PG-X	do.	Do.
Agwiworld.	KDMD	300, 600.....	PG-X	do.	Do.
Ala.	KDOB	300, 450, 600.	PG-X	U. S. S. B.	S. O. R. S.
Alabama.	WFB	300, 600.....	PG-X	Goodrich Transit Co.	R. C. A.
Alabama.	WRAE	300, 600.....	PG-X	Texas Co.	I. W. T. Co.
Aladdin.	KDQM	300, 450, 600, 706	PG-X	Standard Transpn. Co.	R. C. A.
Alameda.	KOBN	300, 450, 600, 706	PG-N	U. S. S. B.	Do.
Alameda.	WAA	300, 450, 600, 706	PG-N	Alaska S. S. Co.	S. O. R. S.
Alamo.	KEJ	300, 450, 600..	PG-N	Mallory S. S. Co.	I. W. T. Co.
Alamosa.	WLUI	300, 600.....	PG-X	U. S. S. B.	
Alaska.	KFIM	300, 600.....	PG		
Alaskan.	WKA	300, 450, 600..	PG-X	American-Hawaiian S. S. Co.	United American Lines.
Alberta.	KZA	300, 600, 1800.	PG-X	Fred G. Bourne.	
Albert E. Watts.	KDKO	300, 600.....	PG-X	Sinclair Navigation Co.	R. C. A.
Albert Jeffress.	KDBY	300, 450, 600.	PG-X	Garland S. S. Corp.	Do.
Alcona.	WLUO	300, 450, 600..	PG-X	U. S. S. B.	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Alcyone.....	KFCU	300, 450, 600..	PG-X	Henry W. Putnam.....	Owner of vessel.
Alden Anderson..	KNG	300, 450, 600, 706	PG-X	Associated Oil Co.....	R. C. A.
Aledo.....	KEPL	300, 450, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Algic.....	KDDC	300, 450, 600..	PG-X	do.....	Do.
Algonquin.....	KIZT	300, 450, 600..	PG-N	Clyde S. S. Co.....	Do.
Algonquin.....	KDKH	300, 450, 600..	PG-X	Standard Transpn. Co.....	R. C. A.
Alicia.....	KZB	300, 600..	PG-X	Alfred I. Du Pont.....	Owner of vessel.
A. L. Kent.....	KDLL	300, 600..	PG-X	Crowell & Thurlow S. S. Co.....	Do.
Allagash.....	KVX	300, 450, 525, 600	PG-X	American-Transatlantic Co.....	I. W. T. Co.
All America.....	KDWF	300, 450, 600, 706	PG-N	Mexican Telegraph Co.....	Owner of vessel.
Alleghany.....	KFGA	300, 450, 600, 706	PG-N	Merchants & Miners Transpn. Co.....	I. W. T. Co.
Allegheny.....	WRAI	300, 600.....	PG-X	Great Lakes Transit Corp.....	
Allen.....	KDXC	300, 600.....	PG-X	Dennis Sullivan.....	
Allentown.....	KIVU	300, 600.....	PG-X	U. S. S. B.....	
Allianca.....	KMA	300, 450, 600..	PG-N	Panama R. R. Co.....	Owner of vessel.
Alliance.....	WRV	300, 600.....	PG-X	Gulf Mall S. S. Co.....	
Allies.....	KQUA	300, 600.....	PG-X	U. S. S. B.....	
Alloway.....	KTAA	300, 450, 600..	PG-X	do.....	
Aloha.....	KYH	300, 450, 600..	PG-X	Arthur C. James.....	
Alpena.....	WCS	300, 600.....	PG-X	Wyanotte Transpn. Co.....	
Alpha.....	KDWG	300, 600.....	PG-X	E. C. Schroeder.....	
Amazon.....	KDXP	300, 600.....	PG-X	Pioneer S. S. Co.....	
Ambridge.....	KIKQ	300, 450, 600..	PG-X	U. S. S. B.....	
A. M. Byers.....	WMY	300, 600.....	PG-X	North American S. S. Co.....	
Amcross.....	KOVF	300, 600.....	PG-X	U. S. S. B.....	
Amelia.....	WRF	300, 450, 600..	PG-X	Atlantic Fruit Co.....	I. W. T. Co.
America.....	KDOW	300, 450, 600, 1800	PG-N	U. S. S. B.....	R. C. A.
American.....	WKF	300, 450, 600..	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
American Legion..	KDTM	300, 450, 600, 1800	PG-N	U. S. S. B.....	S. O. R. S.
American Press....	KUDN	300, 450, 600..	PG-X	do.....	R. C. A.
American Star....	KIPP	300, 450, 600..	PG-X	American Star Line.....	Do.
Amolco.....	KMB	300, 600.....	PG-X	Boston Molasses Co.....	Owner of vessel.
Amphion.....	WJS	300, 600.....	PG-N	U. S. S. B.....	R. C. A.
Anaconda.....	KOFD	300, 450, 600..	PG-N	do.....	Do.
Anacortes.....	KQOA	300, 450, 600..	PG-X	do.....	I. W. T. Co.
Ancon.....	KMS	300, 450, 600..	PG-N	Panama R. R. Co.....	Owner of vessel.
Andalusia.....	WJA	300, 600.....	PG-N	U. S. S. B.....	
Andrea F. Luck- enbach.....	KIFV	300, 450, 600..	PG-N	Luckenbach S. S. Co.....	S. O. R. S.
Angels (see The Angeles).					
Aniwa.....	KROE	300, 600.....	PG-N	U. S. S. B.....	
Anahuae.....	KUZZ	300, 600.....	PG-X	do.....	
Andrew Jackson..	KONQ	300, 600.....	PG-X	do.....	I. W. T. Co.
Anna E. Morse....	KUTD	300, 600.....	PG-X	do.....	Owner of vessel.
Annapolis.....	KDOM	300, 600.....	PG-X	City of Baltimore.....	R. C. A.
Ann Arbor No. 3..	WDN	300, 600.....	PG-X	Ann Arbor R. R. Co.....	
Ann Arbor No. 4..	WDO	300, 600.....	PG-X	do.....	
Ann Arbor No. 5..	WDP	300, 600.....	PG-X	Empire Trust Co.....	
Ann Arbor No. 6..	WDQ	300, 600.....	PG-X	Ann Arbor Boat Co.....	
Annetta.....	WRG	300, 450, 600, 706	PG-X	Atlantic Fruit Co.....	I. W. T. Co.
Annette Rolph....	KETZ	300, 600.....	PG-X	Rolph Nav. & Coal Co.....	Owner of vessel.
Anniston.....	KIDM	300, 450, 600..	PG-X	U. S. S. B.....	
Anniston City....	KDSG	300, 450, 600..	PG-X	U. S. Steel Products Co.....	I. W. T. Co.
Anthony O'Boyle..	WVOU	300, 600.....	PG-X	Anthony O'Boyle.....	
Anthracite Bridge..	KUKG	300, 600.....	PG-X	U. S. S. B.....	
Antietam.....	KONR	300, 600.....	PG-X	do.....	R. C. A.
Antilla.....	KWD	300, 600.....	PG-X	New York & Cuba Mail S. S. Co.....	I. W. T. Co.
Antinous.....	KDAX	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Antonila.....	KOLD	300, 600.....	PG-N	Madrigal & Co.....	
Anvil.....	KDYP	300, 425, 600..	PG-X	Howard N. Findlay.....	Owner of vessel.
Apache.....	KVA	300, 600, 706..	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Apex.....	KGUI	300, 425, 600..	PG-X	Wilson Fisheries Co.....	Owner of vessel.
Aquarius.....	KUSN	300, 450, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Aquilo.....	KOCJ	300, 425, 600..	P-X	H. F. Alexander.....	Owner of vessel.
Ara.....	KFBQ	300, 450, 600..	PG-X	William K. Vanderbilt.....	Do.
Arapahoe.....	KFFM	300, 450, 600..	PG-X	Alaska Packers Assn.....	Do.
Arapahoe.....	KVB	300, 600, 706..	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Archer.....	KXG	300, 450, 600..	PG-X	U. S. S. B.....	R. C. A.
Arctic.....	KFHG	300, 600, 1800..	PG-X	H. Liebes & Co.....	Do.
Arcturus.....	KURD	300, 450, 600..	PG-X	U. S. S. B.....	S. O. R. S.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Arden.....	KDPN	300, 600.....	PG-X	U. S. S. B.....	
Ardmore.....	KIA	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Arenas.....	KIRM	300, 600.....	PG-X	U. S. S. B.....	
Argon.....	KUDD	300, 450, 600, 706	PG-X	Standard Transpn. Co.....	
Argosy.....	KDHL	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Ario.....	KULM	300, 450, 600.....	PG-X	Standard Transpn. Co.....	R. C. A.
Arizona.....	WFG	300, 600.....	PG-X	Goodrich Transit Co.....	Do.
Arizoman.....	WKB	300, 450, 600, 706	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Arizpa.....	KULN	300, 450, 600.....	PG-X	U. S. S. B.....	
Armenia.....	KYM	300, 600.....	PG-X	do.....	I. W. T. Co.
Artemis.....	KDLJ	300, 600.....	PG-X	Jewett M. Scott.....	Owner of vessel.
Artemis.....	WQS	300, 600.....	PG-N	U. S. S. B.....	
Artigas.....	KURG	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Aryan.....	KOLB	300, 450, 600.....	PG-X	Texas Co.....	Do.
Asabith.....	KIXG	300, 600.....	PG-X	U. S. S. B.....	
Ascutney.....	KYV	300, 600.....	PG-N	do.....	R. C. A.
Ashbee.....	KIGZ	300, 450, 600.....	PG-X	do.....	
Asher J. Hudson.....	KDWG	300, 600.....	PG-X	Sabine Towing Co.....	I. W. T. Co.
Ashland County.....	KOMR	300, 450, 600.....	PG-X	U. S. S. B.....	
Ashtabula.....	WEZ	300, 600.....	PG-X	Pennsylvania & Ontario Nav. Co.....	R. C. A.
Askawake.....	KETM	300, 450, 600.....	PG-X	U. S. S. B.....	
Asquam.....	KISV	300, 600.....	PG-X	do.....	
Assinippi.....	KIPB	300, 600.....	PG-X	do.....	
Astoria.....	KDYT	300, 450, 600.....	PG-X	Richard T. Green Co.....	Do.
Astral.....	KIQ	300, 450, 600.....	PG-X	Standard Transpn. Co.....	Do.
Atenas.....	KDK	300, 600.....	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Atlanta City.....	KDSW	300, 600.....	PG-X	U. S. Steel Products Co.....	I. W. T. Co.
Atlanta of Texas.....	KDCN	300, 600.....	PG-X	U. S. S. B.....	
Atlantic Sun.....	KUMS	300, 450, 600.....	PG-X	Sun Oil Co.....	R. C. A.
Atlas.....	WTT	300, 600.....	PG-X	Standard Oil Co. of Calif.....	Do.
Auburn.....	WDOE	300, 450, 600.....	PG-N	U. S. S. B.....	
Auditor.....	KOFF	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Ausable.....	WWP	300, 450, 600.....	PG-X	American Transatlantic Co.....	R. C. A.
Australia.....	KDXO	300, 600.....	PG-X	Pioneer S. S. Co.....	Owner of vessel.
Avalon.....	KIZL	300, 600.....	PG-X	Hart-Wood Lumber Co.....	R. C. A.
Avalon.....	WFH	300, 600.....	PG-X	Wilmington Transpn. Co.....	
Avondale.....	KKAU	300, 600.....	PG-X	U. S. S. B.....	
Baboozie.....	KITC	300, 600.....	PG-N	do.....	
Baccarat.....	KUSX	300, 600.....	PG-X	Independent S. S. Co.....	Do.
Back Bay.....	WAM	300, 600.....	PG-X	Rutland Lake Michigan Tran- sit Co.....	Owner of vessel.
Bacoi.....	KJU	300, 450, 600.....	PG-X	Gillespie S. S. Corp.....	
Bakersfield.....	KIZC	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Baldbutte.....	KISM	300, 600.....	PG-X	do.....	
Baldhill.....	KOBV	300, 600.....	PG-X	do.....	
Baldrock.....	KEQJ	300, 450, 600.....	PG-X	United States & Bermuda Towing Co.....	
Ballcamp.....	KENV	300, 450, 600.....	PG-X	U. S. S. B.....	
Ballenas.....	KEMZ	300, 600.....	PG-X	do.....	
Ballew.....	KENQ	300, 600.....	PG-X	do.....	I. W. T. Co.
Balsam.....	KIJC	300, 450, 600, 706	PG-X	do.....	
Bannack.....	KIZQ	300, 450, 600.....	PG-X	do.....	
Bantu.....	KLM	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	R. C. A.
Baracoa.....	KEDN	300, 450, 600, 706	PG-X	Colombian S. S. Co.....	I. W. T. Co.
Barbara C.....	KFFU	300, 450, 600.....	PG-X	W. R. Chamberlain.....	R. C. A.
Bar Harbor.....	KEFD	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Barlow.....	WLAE	300, 600.....	PG-X	do.....	S. O. R. S.
Barrallton.....	KIDT	300, 600.....	PG-X	do.....	
Barranca.....	KIFR	300, 600.....	PG-X	Bisso Towboat Co.....	Do.
Barrenfork.....	KIJD	300, 600.....	PG-X	U. S. S. B.....	R. C. A.
Barryton.....	KIJF	300, 450, 600.....	PG-X	do.....	
Barstow.....	KIJR	300, 600.....	PG-X	do.....	
Bartholomew.....	KOMF	300, 600.....	PG-X	do.....	I. W. T. Co.
Barwick.....	KOBR	300, 600.....	PG-X	do.....	
Basco.....	WVEI	300, 600.....	PG-N	do.....	
Bascobel.....	KOFS	300, 450, 600.....	PG-X	do.....	
Basdorf.....	KOFR	300, 450, 600.....	PG-X	do.....	
Bathalum.....	KIQT	300, 600.....	PG-X	do.....	
Bathgate.....	KIQS	300, 600.....	PG-X	Southern Transpn. Co.....	R. C. A.
Baton Rouge.....	KSG	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	
Bavington.....	KOPC	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Bayamo.....	WDEU	300, 600.....	PG-X	New York & Cuba Mail S. S. Co.....	
Bay Head.....	KINT	300, 450, 600.....	PG-X	U. S. S. B.....	
Bayonne.....	KFAG	300, 450, 600.....	PG-X	Vacuum Oil Co.....	R. C. A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Bayou Chico.....	KDGK	300, 450, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Bayport.....	KUJC	300, 600.....	PG-X	National Oil Transport Co.	R. C. A.
Baytown.....	KDEM	300, 600.....	PG-X	Humble Oil & Refining Co.	Do.
Bayway.....	KSR	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	I. W. T. Co.
Bearport.....	KUBK	300, 450, 600..	PG-X	U. S. S. B.....	R. C. A.
Beatrice.....	KLJ	300, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Belfast.....	KRD	300, 450, 600.. 706	PG-X	Eastern S. S. Lines.....	R. C. A.
Belfort.....	KIQB	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Bell buckle.....	KITK	300, 600.....	PG-X	.....do.....	
Bellemina.....	KODS	300, 450, 600..	PG-X	.....do.....	
Belleplaine.....	KOKF	300, 450, 600..	PG-N	.....do.....	
Bellerose.....	KOKD	300, 450, 600..	PG-N	.....do.....	
Bellflower.....	KOPQ	300, 600.....	PG-N	.....do.....	
Bellhaven.....	KOFC	300, 600.....	PG-N	.....do.....	
Bellingham.....	WCIA	300, 450, 600..	PG-X	.....do.....	
Belvidere.....	KEQK	300, 450, 600.. 706	PG-X	.....do.....	
Benjamin Brewster	KPS	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	I. W. T. Co.
Benj. F. Packard	WLA	300, 450, 600..	PG-X	Booth Fisheries Co.....	R. C. A.
Benoni.....	KERR	300, 600.....	PG-N	U. S. S. B.....	S. O. R. S.
Benowa.....	KOTZ	300, 600.....	PG-X	Ocean Motorship Co.....	
Bensalem.....	KOFT	300, 600.....	PG-X	U. S. S. B.....	
Berkshire.....	KFIE	300, 600.....	PG	Merchants & Miners Transpn. Co.....	
Bernice.....	KDYF	300, 600.....	PG-X	R. H. Arnold.....	Owner of vessel. S. O. R. S.
Bert E. Haney.....	KDCJ	300, 600.....	PG-X	F. H. Ransom, trustee.....	
Bessemer.....	KIGT	300, 450, 600..	PG-X	U. S. S. B.....	
Bessemer City.....	KDOF	300, 450, 600..	PG-X	U. S. Steel Products Co.....	
Bethelridge.....	KERT	300, 450, 600..	PG-X	U. S. S. B.....	
Bethlehem Bridge.....	KIJV	300, 600.....	PG-X	.....do.....	Owner of vessel.
Bethlehem Shipbuilding Corporation. <sup>1</sup>	KUFP	.....	.....	Bethlehem Shipbuilding Corp.....	
Bethore.....	KDWW	300, 600.....	PG-X	Guaranty Trust Co.....	R. C. A.
Betsy Bell.....	KITM	300, 600.....	PG-N	U. S. S. B.....	I. W. T. Co. Owner of vessel. S. O. R. S.
Betterton.....	KUBG	300, 450, 600..	PG-X	.....do.....	
Betty R.....	KDTF	200, 300, 600..	PR-X	Edward C. Crossett.....	
Bibbeo.....	KDHJ	300, 450, 600..	PG-X	U. S. S. B.....	
Bidwell.....	KESQ	300, 450, 600.. 1800	PG-X	Sun Shipbuilding Co.....	
Biram.....	KKOA	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Bird City.....	KOBP	300, 450, 600..	PG-X	.....do.....	
Birkenhead.....	KDVL	300, 600.....	PG-X	Vacuum Oil Co.....	
Birmingham City.....	KUTT	300, 450, 600..	PG-X	U. S. Steel Products Co.....	
Black Arrow.....	WLN	300, 600.....	PG-N	U. S. S. B.....	
Blair.....	KIGR	300, 450, 600..	PG-X	.....do.....	I. W. T. Co.
Blue Hill.....	KFEA	300, 450, 600..	PG-X	L'Hotte S. S. Co.....	
Blue Point.....	KDLU	300, 600.....	PG-X	Atlantic Fisheries Co.....	
Blue Triangle.....	KUGS	300, 450, 600..	PG-X	U. S. S. B.....	
Bluffton.....	KEKZ	300, 600.....	PG-X	.....do.....	
Bogota.....	KORQ	300, 450, 600.. 706	PG-X	Colombian S. S. Co.....	
Bohemian Club.....	KDTB	300, 450, 600.. 1800	PG-X	Atlantic Refining Co.....	R. C. A.
Bolivar.....	KIQP	300, 450, 600.. 706	PG-X	Colombian S. S. Co.....	I. W. T. Co.
Bonnie Brook.....	KDGX	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Boobyalla.....	KUGC	300, 600.....	PG-X	Ocean Motorship Co.....	
Boston.....	KXA	300, 450, 600..	PG-N	New England S. S. Co.....	
Boston Bridge.....	KINS	300, 450, 600..	PG-X	U. S. S. B.....	
Bound Brook.....	KIFQ	300, 600.....	PG-X	.....do.....	
Bowdoin.....	WNP	220, 300, 600.. 750	PR-X	McMillan Arctic Association.....	
Boy Scout.....	KDYG	.....	.....	Waldo H. Brown.....	I. W. T. Co.
Brabant.....	KUU	300, 450, 600..	PG-X	Texas Co.....	
Braddock.....	KETG	300, 450, 600..	PG-X	U. S. S. B.....	
Brandywine.....	WGUY	300, 600.....	PG-X	.....do.....	
Brasher.....	KIJX	300, 600.....	PG-X	.....do.....	
Brave Coeur.....	KOGN	300, 450, 600..	PG-X	.....do.....	I. W. T. Co.
Bremerton.....	WSZ	300, 600.....	PG-X	.....do.....	
Brevard.....	KEPJ	300, 600.....	PG-X	.....do.....	
Briarcliffe.....	KEPK	300, 600.....	PG-X	.....do.....	
Bridgetown.....	KUCZ	300, 450, 600.. 706	PG-X	Colombian S. S. Co.....	
Brilliant.....	KTI	300, 450, 600..	PG-X	Standard Transpn. Co.....	R. C. A.
Brindilla.....	KTZ	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	Do.
Bristol.....	KEGC	300, 450, 600..	PG-X	Coastwise Transpn. Corp.....	

<sup>1</sup> Portable set placed on board vessels during trial trip.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Broad Arrow.....	KSY	300, 450, 600...	PG-X	Standard Transpn. Co.....	R. C. A.
Brockton.....	KNH	300, 600...	PG-N	Colonial Navigation Co.....	
Brookdale.....	WNUO	300, 600, 706	PG-X	Crosby Marine Corp.....	S. O. R. S.
Brookings.....	WXOA	300, 450, 600...	PG-X	California & Oregon Lumber Co.	Owner of vessel.
Brookline.....	KURT	300, 600	PG-X	U. S. S. B.	
Brynhilda.....	KIO	300, 450, 600...	PG-X	Cosmopolitan Shipping Co.....	
Buffalo Bridge.....	KIZF	300, 600...	PG-X	U. S. S. B.	
Buford.....	KFII	300, 600	PG-X	Fred Linderman.....	
Burnwell.....	KIMS	300, 600...	PG-X	U. S. S. B.	
Buttercup.....	KIJT	300, 600...	PG-X	do.....	R. C. A.
Butterfield.....	KIJS	300, 450, 600,... 706	PG-X	Newayo Tug Line.....	
Bylayl.....	KSOU	300, 450, 600...	PG-X	Pocahontas S. S. Co.....	Do.
Byron D. Benson.....	KDWN	300, 450, 600...	PG-X	Tidewater Oil Co.....	Do.
Cabegon.....	KEJQ	300, 600...	PG-N	U. S. S. B.	
Cabrillo.....	KENS	300, 450, 600...	PG-X	do.....	
Cabrillo.....	WBV	300, 600...	PG-X	Wilmington Transpn. Co.....	Do.
C. A. Canfield.....	WIH	300, 450, 600...	PG-X	Pan-American Petroleum & Transport Co.	Do.
Cacique.....	WBE	300, 450, 600,... 706	PG-X	Grace S. S. Co.....	Do.
Cadaretta.....	WLOO	300, 600...	PG-X	U. S. S. B.	
Caddo.....	KSK	300, 450, 600...	PG-X	Standard Oil Co. of N. J.	Do.
Caddopeak.....	WPUE	300, 600...	PG-X	U. S. S. B.	
Caesars.....	KFIA	300, 600, 706	PG-X	Coastwise S. S. & Barge Co.	I. W. T. Co.
Calamares.....	KLC	300, 450, 600...	PG-N	United Fruit Corp.....	T. R. T. Co.
Calaveras.....	KXIE	300, 450, 600...	PG-X	U. S. S. B.	
Calawaii.....	KFDT	300, 600, 1800	PG-N	Los Angeles S. S. Co.....	F. T. Co.
Calcite.....	KDZN	300, 450, 600...	PG-X	Calcite Transpn. Co.....	Owner of vessel.
Calicorock.....	KXII	300, 600...	PG-X	U. S. S. B.	
Californian.....	KDYD	300, 450, 600,... 1800	PG-X	American-Hawaiian S. S. Co.	United American Lines.
Calispell.....	KXIO	300, 600...	PG-X	U. S. S. B.	
Callabasas.....	WPUI	300, 450, 600...	PG-X	Callabasas S. S. Corp.....	
Callao.....	WHF	300, 600...	PG-X	J. H. Mahony.....	Owner of vessel.
Caino.....	KINV	300, 600...	PG-X	U. S. S. B.	
Caloria.....	KSP	300, 450, 600...	PG-X	Vaccaro Bros. & Co.....	R. C. A.
Calvert.....	WPUI	300, 600...	PG-X	U. S. S. B.	
Calvin Austin.....	KRN	300, 450, 600,... 706	PG-N	Eastern S. S. Lines.....	Do.
Camaguey.....	KWI	300, 450, 600...	PG-X	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Cambridge.....	KGR	300, 600....	PG-N	New York & New Orleans S. S. Co.	R. C. A.
Cambridge.....	KIRR	300, 600....	PG-X	U. S. S. B.	
Camden.....	KDKL	300, 600, 1800	PG-X	United Fruit Tanker Corp.....	T. R. T. Co.
Camden.....	KRC	300, 600, 706	PG-X	Eastern S. S. Lines.....	R. C. A.
Cananova.....	KDBN	300, 450, 600...	PG-X	Cananova S. S. Corp.....	I. W. T. Co.
Canco.....	KUTP	300, 600...	P-X	American Can Co.....	Owner of vessel.
Canibas.....	WQEY	300, 450, 600...	PG-X	Matson Navigation Co.....	R. C. A.
Canoga.....	WKZ	300, 600...	PG-X	U. S. S. B.	
Canusmet.....	KIJD	300, 600...	PG-X	do.....	
Cape Ann.....	KDCB	300, 450, 600,... 706	PG-X	Cape S. S. Co.....	Do.
Cape Cod.....	KUJZ	300, 450, 600...	PG-X	do.....	Do.
Cape Henry.....	KMIE	300, 600, 1800	PG-X	U. S. S. B.	S. O. R. S.
Cape May.....	WDOI	300, 450, 600,... 706	PG-N	do.....	I. W. T. Co.
Cape Romain.....	KREA	300, 600....	PG-X	do.....	Do.
Capillo.....	KUPN	300, 450, 600...	PG-X	do.....	R. C. A.
Capital of Nebraska.....	KUSF	300, 450, 600...	PG-X	do.....	
Captain A. F. Lucas.....	WTV	300, 450, 600,... 706	PG-X	Standard Oil Co. of Calif.....	Do.
Capulin.....	KUZR	300, 450, 600...	PG-X	U. S. S. B.	Do.
Caracara.....	KDB	300, 450, 600,... 706	PG-N	Atlantic & Caribbean Steam Navigation Co.	Do.
Cardonia.....	KUVV	300, 450, 600...	PG-X	U. S. S. B.	S. O. R. S.
Carenco.....	KDDM	300, 450, 600...	PG-X	do.....	R. C. A.
Carib.....	KJIU	300, 600....	PG-X	New York & Porto Rico S. S. Co.	
Carib.....	KUZX	300, 600....	PG-X	George F. Silva.....	Owner of vessel.
Caribbean.....	KGUE	300...	P-X	Panama Canal.....	Do.
Carl D. Bradley.....	WGN	300, 600, 706,... 909	PG & PR-X	Bradley Transpn. Co.....	R. C. A.
Carlton.....	KDDK	300, 450, 600...	PG-X	U. S. S. B.	I. W. T. Co.
Carolina.....	WFE	300, 600...	PG-N	Goodrich Transit Co.	R. C. A.
Carolinas.....	KULB	300, 450, 600...	PG-X	Carolina S. S. Corp.	Do.
Carolinian.....	KJF	300, 450, 600...	PG-X	Garland S. S. Corp.	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Carolyn.....	KZG	300, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Carolyn Frances.....	KFHQ	300, 600, 706	PG-X	Western Whaling & Trading Co.....	R. C. A.
Carplaka.....	KDES	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Carrabulle.....	KDER	300, 450, 600, 706	PG-X	Cuba Distilling Co.....	R. C. A.
Carrillo.....	KDE	300, 600, 706	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Cartago.....	KDD	300, 600.....	PG-N	do.....	Do.
Cascade.....	KDJS	300, 600.....	PG-X	E. K. Wood Lumber Co.....	R. C. A.
Cascade.....	WPDU	300, 600.....	PG-N	U. S. S. B.....	I. W. T. Co.
Casey.....	KOQJ	300, 450, 600.....	PG-X	do.....	Do.
Casina.....	KYE	300, 450, 600.....	PG-X	Edward L. Doheny.....	R. C. A.
C. A. Smith.....	WEL	300, 600.....	PG-X	Pacific States Lumber Co.....	Owner of vessel.
C. A. Snider.....	KRR	300, 450, 600.....	PG-X	Union Sulphur Co.....	S. O. R. S.
Casper.....	KIRX	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Cassimir.....	KDDZ	300, 450, 600, 706	PG-X	Curtis Bay Copper & Iron Works.....	Do.
Castana.....	KDFF	300, 450, 600, 706	PG-X	U. S. S. B.....	I. W. T. Co.
Castle Point.....	KESD	300, 450, 600, 706	PG-X	Chas. R. McCormick S. S. Co.....	Do.
Castle Town.....	KOF	300, 450, 600.....	PG-X	do.....	Do.
Castie Wood.....	KEKQ	300, 600.....	PG-X	U. S. S. B.....	R. C. A.
Catahoula.....	KDFG	300, 600, 706.....	PG-X	Curtis Bay Copper & Iron Works.....	
Catherine.....	KTOI	300, 450, 600.....	PG-X	Bull-Insular S. S. Co.....	I. W. T. Co.
Catherine D.....	KMAI	300, 450, 600.....	PG-N	Pacific American Fisheries.....	S. O. R. S.
Cathlamet.....	KOLP	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Cathwood.....	KURC	300, 600.....	PG-X	Union Oil Co.....	Owner of vessel.
Cauto.....	KWF	300, 600.....	PG-X	New York & Cuba Mail S. S. Co.....	I. W. T. Co.
Cayo Mambi.....	KUZZ	300, 600, 706.....	PG-X	Cayo Mambi S. S. Corp.....	Do.
Cayuga.....	KDJQ	300, 600.....	PG-X	Independent S. S. Co.....	
Cebu.....	KDOC	300, 600.....	PG-X	Compani Maritima.....	
Cecil County.....	KERZ	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Cedarhurst.....	KDIQ	300, 450, 600.....	PG-X	American-Italian S. S. Co.....	I. W. T. Co.
Cedar Spring.....	WTEE	300, 450, 600.....	PG-X	U. S. S. B.....	
Celilo.....	WMF	300, 600.....	PG-N	Chas. R. McCormick S. S. Co.....	Owner of vessel.
Centaurus.....	KOPZ	300, 450, 600, 706	PG-X	Planet S. S. Corp.....	R. C. A.
Centurion.....	KDVZ	300, 450, 600.....	PG-X	Buffalo Bayou Co.....	Owner of vessel.
Ceralvo.....	WTET	300, 450, 600.....	PG-X	U. S. S. B.....	
Cerosco.....	WTEO	300, 450, 600.....	PG-X	do.....	
Cerro-Azul.....	KDQY	300, 450, 600.....	PG-X	Pan-American Petroleum & Transp. Co.....	R. C. A.
Cerro-Ebano.....	KDQS	300, 450, 600.....	PG-X	do.....	Do.
Cerro Gardo.....	KEFK	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Cethana.....	KORG	300, 600.....	PG-X	Ocean Motorship Co.....	
Challamba.....	KORJ	300, 450, 600.....	PG-X	do.....	
Challenger.....	WNII	300, 600.....	PG-X	U. S. S. B.....	
Chalmette.....	KKC	300, 600.....	PG-N	Southern Pacific S. S. Co.....	
Chamberino.....	KEFL	300, 450, 600.....	PG-X	U. S. S. B.....	
Chamblee.....	KEGG	300, 600.....	PG-X	do.....	
Champlain.....	KFCR	300, 600.....	PG	U. S. S. B.....	
Chantier.....	KEGK	300, 600.....	PG-X	do.....	
Chaparel.....	KEGJ	300, 600.....	PG-X	do.....	
Chappaqua.....	KURF	300, 450, 600.....	PG-X	do.....	
Chappell.....	KEVS	300, 600.....	PG-X	do.....	
Charles E. Hardwood.....	WID	300, 450, 600.....	PG-X	Pan-American Petroleum & Transp. Co.....	R. C. A.
Charles H. Cramp.....	KDHH	300, 600, 1800.....	PG-X	Nautilus S. S. Corp.....	S. O. R. S.
Charles L. Hutchinson.....	WMIU	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. A.
Charles L. O'Conor.....	WMEA	300, 600.....	PG-X	M. & J. Tracy.....	
Charles M. Everest.....	WPOU	300, 450, 600, 706	PG-X	Vacuum Oil Co.....	Do.
Charles O. Jenkins.....	WFT	300, 600.....	PG-X	Jenkins S. S. Co.....	Do.
Charles Pratt.....	KSQ	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Charles R. McCormick.....	KDBZ	300, 450, 600.....	PG-X	McCormick Intercoastal S. S. Co.....	I. W. T. Co.
Charlie Watson.....	KDLA	300, 600.....	PG-X	Standard Oil Co. of Calif.....	R. C. A.
Charlot.....	WMUI	300, 600.....	PG-X	U. S. S. B.....	Do.
Charlton Hall.....	KLU	300, 600.....	PG-X	U. S. Steel Products Co.....	Do.
Chattanooga.....	KIDN	300, 450, 600.....	PG-X	U. S. S. B.....	
Chattanooga City.....	KDUW	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	
Chautauqua.....	KJFK	300, 600.....	PG-X	U. S. S. B.....	
Chebaulip.....	KJAA	300, 450, 600.....	PG-X	do.....	
Chepadoa.....	KOFL	300, 600.....	PG-X	do.....	
Chester Kiwanis.....	KDBP	300, 450, 600.....	PG-X	do.....	
Chester Sun.....	WAS	300, 450, 600.....	PG-X	Sun Oil Co.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Chester Valley.....	KOST	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Chester W. Chapin.....	KXQ	300, 450, 600.....	PG-N	New England S. S. Co.....	I. W. T. Co.
Chestnut Hill.....	KVG	300, 600.....	PG-X	U. S. S. B.....	
Chetopa.....	KDJ1	300, 450, 600.....	PG-X	....do.....	S. O. R. S.
Chicago.....	WAC	300, 600.....	PG-X	Booth Fisheries Co.....	
Chicago Bridge.....	KECG	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Chickamauga.....	KULC	300, 450, 600.....	PG-X	....do.....	
Chickasaw.....	KOJR	300, 450, 600.....	PG-X	....do.....	I. W. T. Co.
Chickasaw City.....	KUNZ	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	R. C. A.
Chicomico.....	KOLS	300, 450, 600.....	PG-X	U. S. S. B.....	
Chilkat.....	KFFN	300, 600.....	PG-X	Alaska Packers Assn.....	Owner of vessel.
Chillicothe.....	KFAX	300, 450, 600.....	PG-X	Columbia River Packers Assn.....	Do.
Chilore.....	KFIW	300, 600, 706.....	PG-X	Guaranty Trust Co. of N. Y. (trustee).	R. C. A.
China.....	WWA	300, 450, 600.....	PG-N	China Mail S. S. Corp.....	
China Arrow.....	KDGW	300, 450, 600.....	PG-X	Standard Transpn. Co.....	Do.
Chinampa.....	KFDM	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Chincha.....	KJZ	300, 450, 600, 706	PG-X	Planet S. S. Line.....	Do.
Chipchung.....	WBIA	300, 600.....	PG-X	U. S. S. B.....	
Chippewa.....	KDJS	300, 600.....	PG-X	Independent S. S. Co.....	Owner of vessel.
Christopher Columbus.....	WFJ	300, 600.....	PG-X	Goodrich Transit Co.....	R. C. A.
Circinus.....	KOPK	300, 450, 600, 706	PG-X	Planet S. S. Corp.....	Do.
City of Alma.....	KUBP	300, 450, 600.....	PG-X	U. S. S. B.....	
City of Alton.....	KONZ	300, 450, 600.....	PG-X	....do.....	S. O. R. S
City of Atlanta.....	KFB	300, 450, 600.....	PG-N	Ocean S. S. Co.....	R. C. A.
City of Augusta.....	KFJ	300, 450, 600.....	PG-N	....do.....	Do.
City of Bangor.....	KRH	300, 600, 706.....	PG-X	Eastern S. S. Lines.....	Do.
City of Benton Harbor.....	WDV	300, 600.....	PG-X	Graham & Morton Transpn. Co.	Do.
City of Berkeley.....	KOZQ	300, 600.....	PG-X	U. S. S. B.....	
City of Brockton.....	KXO	300, 600.....	PG-X	New England S. S. Co.....	
City of Buffalo.....	WFQ	300, 600.....	PG-X	Cleve. & Buffalo Transit Co.....	Do.
City of Cleveland III.....	WEA	300, 450, 600.....	PG-N	Detroit & Cleve. Nav. Co.....	Do.
City of Columbus.....	KFA	300, 450, 600, 706	PG-N	Ocean S. S. Co.....	Do.
City of Dalhart.....	KDNP	300, 450, 600.....	PG-X	U. S. S. B.....	
City of Detroit II.....	WEC	300, 450, 600.....	PG-X	Detroit & Cleve. Nav. Co.....	Do.
City of Detroit III.....	WEF	300, 450, 600.....	PG-N	....do.....	Do.
City of Elwood.....	KDMV	300, 450, 600.....	PG-X	U. S. S. B.....	
City of Erie.....	WFP	300, 600.....	PG-X	Cleve. & Buffalo Transit Co.....	Do.
City of Eureka.....	KEFT	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
City of Everett.....	KTQ	300, 600.....	PG-X	Abram I. Kaplan.....	
City of Fairbury.....	KISR	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
City of Flint.....	KUCV	300, 450, 600.....	PG-X	....do.....	Do.
City of Fort Worth.....	KDAW	300, 600.....	PG-X	....do.....	
City of Freeport.....	KESV	300, 450, 600.....	PG-X	Steamer Freeport Corp.....	Do.
City of Grand Rapids.....	KFIS	300, 600.....	PG-X	Graham & Morton Transpn. Co.	Do.
City of Holland.....	KFES	300, 600.....	PG-X	....do.....	Do.
City of Houston.....	KONS	300, 450, 600.....	PG-X	Southern S. S. Co.....	
City of Joliet.....	KUJR	300, 600.....	PG-X	U. S. S. B.....	
City of Lordsburg.....	KUTK	300, 600.....	PG-X	....do.....	
City of Los Angeles.....	KOZC	300, 450, 600, 1800	PG-N	....do.....	Do.
City of Lowell.....	KXB	300, 530, 600.....	PG-X	New England S. S. Co.....	I. W. T. Co.
City of Montgomery.....	KFY	300, 450, 600, 706	PG-N	Ocean S. S. Co.....	R. C. A.
City of Omaha.....	KOZB	300, 600.....	PG-X	U. S. S. B.....	
City of Philadelphia.....	KONT	300, 450, 600.....	PG-X	Southern S. S. Co.....	
City of Pueblo.....	WGQ	300, 600.....	PG-N	City of Pueblo Corp.....	
City of Rayville.....	KDGS	300, 450, 600.....	PG-X	U. S. S. B.....	
City of Reno.....	KUSK	300, 450, 600.....	PG-X	....do.....	I. W. T. Co.
City of Rockland.....	KRI	300, 600, 706.....	PG-X	Eastern S. S. Lines.....	R. C. A.
City of Rome.....	KQZ	300, 450, 600, 706	PG-N	Ocean S. S. Co.....	Do.
City of Saugatuck.....	KFET	300, 600.....	PG-X	Graham & Morton Transpn. Line.	Do.
City of Savannah.....	KFK	300, 450, 600.....	PG-N	Ocean S. S. Co.....	Do.
City of Seattle.....	WGA	300, 600.....	PG-N	Miami S. S. Co.....	Do.
City of Sherman.....	KUCS	300, 600.....	PG-X	U. S. S. B.....	
City of Spokane.....	KILL	300, 450, 600.....	PG-X	....do.....	I. W. T. Co.
City of St. Ignace.....	WEG	300, 450, 600.....	PG-X	Detroit & Cleve. Nav. Co.....	R. C. A.
City of St. Joseph.....	KFIT	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
City of St. Joseph.....	KOSM	300, 450, 600, 706	PG-X	U. S. S. B.....	

## 16 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by
City of St. Louis.	KFX	300, 450, 600, 706	PG-N	Ocean S. S. Co.	R. C. A.
City of Sydney.	KKEI	300, 600.....	PG-X	L. A. Pederson.	Owner of vessel.
City of Taunton.	KXL	300, 550, 600.	PG-N	New England S. S. Co.	
City of Vernon.	KUNS	300, 450, 600.	PG-X	U. S. S. B.	
City of Weatherford.	KUVC	300, 450, 600.	PG-X	do.	R. C. A.
Clairston.	KIKR	300, 600.....	PG-X	do.	Do.
Clare.	KNE	300, 450, 600.	PG-X	A. H. Bull S. S. Co.	I. W. T. Co.
Claremont.	KUBD	300, 600.....	PG-X	Hart-Wood Lumber Co.	Owner of vessel.
Clark Mills.	KOCQ	300, 600.....	PG-X	U. S. S. B.	
Clauseus.	KOQB	300, 450, 600.	PG-X	Planet S. S. Corp.	R. C. A.
Clavarack.	KOLL	300, 450, 600.	PG-X	U. S. S. B.	Do.
Clearwater.	KUGD	300, 450, 600.	PG-X	do.	Do.
Clemence C. Morse.	KUGG	300, 600.....	PG-X	do.	Do.
Clemens A. Reiss.	WNH	300, 600.....	PG-X	Reiss S. S. Co.	Do.
Clement Smith.	KDGO	300, 600.....	PG-X	Oil Transport Co.	Do.
Cletus Schneider.	KMEO	300, 600.....	PG-X	Faisley S. S. Co.	Owner of vessel.
Clifford F. Moll.	KDWA	300, 600.....	PG-X	American S. S. Co.	Do.
Cliffwood.	KORK	300, 450, 600.	PG-X	U. S. S. B.	R. C. A.
Clincho.	KENX	300, 600.....	PG-X	Clinchfield Nav. Co.	Do.
Clontarf.	KUDP	300, 450, 600.	PG-X	U. S. S. B.	Do.
Coahoma County.	KOMP	300, 450, 600.	PG-X	do.	S. O. R. S.
Coalinga.	WOT	300, 600, 1800	PG-X	Union S. S. Co.	F. T. Co.
Coastwise.	KUZ	300, 450, 600.	PG-X	Coastwise Transpn. Co.	R. C. A.
Coaxet.	WPUU	300, 450, 600.	PG-X	U. S. S. B.	S. O. R. S.
Cockaponset.	KOFN	300, 600.....	PG-X	do.	Do.
Cody.	KDEX	300, 450, 600.	PG-X	do.	Do.
Coelleda.	KOVV	300, 600.....	PG-X	do.	R. C. A.
Coeur D'Alene.	KOVT	300, 450, 600.	PG-X	do.	I. W. T. Co.
Cohasset.	WJUI	300, 450, 600.	PG-X	do.	
Cokato.	WMUE	300, 600.....	PG-X	do.	
Cokesit.	WQUA	300, 450, 600.	PG-X	do.	
Coldbrook.	KOQK	300, 450, 600.	PG-X	do.	Do.
Cold Harbor.	KUBB	300, 450, 600.	PG-X	do.	R. C. A.
Cold Spring.	KIQK	300, 450, 600.	PG-X	do.	S. O. R. S.
Coldwater.	KUCX	300, 450, 600.	PG-X	do.	
Col. E. L. Drake.	WTS	300, 450, 600.	PG-X	Standard Oil Co. of Calif.	R. C. A.
Colin H. Livingstone.	KDIN	300, 450, 600.	PG-X	U. S. S. B.	
Collamer.	KOZZ	300, 600, 706.	PG-X	do.	S. O. R. S.
Collingsworth.	KUKX	300, 450, 600.	PG-X	do.	F. T. Co.
Colombia.	WBH	300, 600, 1800.	PG-N	Pacific Mail S. S. Co.	Owner of vessel.
Colon.	KMX	300, 450, 600.	PG-N	Panama R. R. Co.	R. C. A.
Colonial.	KDTK	300, 600.....	PG-X	Western Reserve Transpn. Co.	I. W. T. Co.
Colorado Springs.	KILK	300, 450, 600.	PG-X	U. S. S. B.	Do.
Columbia.	WHC	300, 450, 600.	PG-X	Thomas Crowley.	R. C. A.
Colusa.	WIN	300, 600.....	PG-X	Grace S. S. Co.	I. W. T. Co.
Comal.	KEM	300, 600, 706.	PG-N	Mallory S. S. Co.	Do.
Comanche.	KVC	300, 450, 600, 706	PG-N	Clyde S. S. Co.	
Comet.	KTJ	300, 450, 600, 706	PG-X	Standard Transpn. Co.	R. C. A.
Commack.	KULT	300, 450, 600.	PG-X	U. S. S. B.	I. W. T. Co.
Commercial Guide.	WJO	300, 450, 600.	PG-X	Nyanza S. S. Co.	R. C. A.
Commercial Path-finder.	WJU	300, 450, 600.	PG-X	Osage S. S. Co.	Do.
Commercial Scout.	KFBT	300, 600.....	PG-X	Commercial Scout S. S. Co.	Do.
Commercial Spirit.	KDQE	300, 600.....	PG-X	Commercial Spirit S. S. Co.	Do.
Commercial Trader.	WMZ	300, 600.....	PG-X	Honolulu S. S. Co.	Do.
Com m e r c i a l Traveler.	KDDA	300, 450, 600.	PR-X	Commercial Traveler S. S. Co.	Do.
Commissioner.	KOGZ	300, 600.....	PG-X	Merritt & Chapman Derrick & Wrecking Co.	
Commonwealth.	KXC	300, 450, 600.	PG-X	New England S. S. Co.	I. W. T. Co.
Comus.	KKD	300, 600, 706.	PG-N	Southern Pacific Co.	Owner of vessel.
Concho.	KEC	300, 600.....	PG-N	Mallory S. S. Co.	I. W. T. Co.
Concord.	KNC	300, 600.....	PG-N	Colonial Navigation Co.	R. C. A.
Conehatta.	KUQQ	300, 450, 600, 706	PG-X	U. S. S. B.	Do.
Conejos.	KUKT	300, 450, 600.	PG-X	do.	Do.
Conneaut.	WCU	300, 600.....	PG-X	Gulf Refining Co.	Do.
Connerville.	WKOO	300, 600.....	PG-X	U. S. S. B.	Do.
Conness Peak.	KUPL	300, 450, 600.	PG-X	do.	Do.
Conotton.	WVAO	300, 600.....	PG-X	do.	Do.
Consort.	KDOI	300, 450, 600.	PG-X	do.	Do.
Continental Bridge.	KOCP	300, 600.....	PG-X	do.	Do.
Contoocook.	WVAU	300, 600.....	PG-X	do.	Do.
Cook.	KOFX	300, 450, 600.	PG-X	do.	Do.
Coosa.	WLF	300, 450, 600.	PG-X	do.	Do.
Copalgrove.	KEFJ	300, 600.....	PG-X	do.	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Coperas.....	WTEU	300, 600.....	PG-X	U. S. S. B.....	
Copename.....	KDF	300, 600.....	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Coquina.....	WVA	300, 600.....	PG-X	U. S. S. B.....	
Coquitt.....	KOFZ	300, 600.....	PG-X	.....do.....	
Cora F. Cressy.....	KSZ	300, 450, 600.....	PG-X	A. W. Frost.....	
Corapeak.....	WVAE	300, 600.....	PG-X	U. S. S. B.....	
Cordova.....	WAR	300, 600, 706.....	PG-X	Alaska S. S. Co.....	S. O. R. S.
Corinto.....	KOQV	300, 600.....	PG-X	Pacific Mail S. S. Co.....	
Cornelia.....	KZD	300, 600.....	PG-X	Bull Insular S. S. Co.....	I. W. T. Co.
Corning.....	KIH	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Cornucopia.....	WNIU	300, 600.....	PG-X	U. S. S. B.....	
Coronado.....	WFZ	300, 450, 600.....	PG-X	.....do.....	
Corrales.....	WPIE	300, 600.....	PG-X	.....do.....	S. O. R. S.
Corsair.....	KYC	300, 450, 600, 706	PG-X	J. P. Morgan.....	Owner of vessel.
Corsicana.....	WPII	300, 600.....	PG-X	U. S. S. B.....	R. C. A.
Corson.....	KIQV	300, 450, 600.....	PG-X	.....do.....	Do.
Corvus.....	KOPL	300, 450, 600, 706	PG-X	Planet S. S. Corp.....	
Coskata.....	KOMZ	300, 450, 600.....	PG-X	U. S. S. B.....	
Costa Rica.....	WQI	300, 600.....	PG-X	L. A. Pedersen.....	Owner of vessel.
Costigan.....	KINF	300, 600.....	PG-X	U. S. S. B.....	
Cotati.....	KIQF	300, 600.....	PG-X	.....do.....	
Cotopaxi.....	WMEI	300, 600.....	PG-X	Clinchfield Navigation Co.....	R. C. A.
Cottonwood.....	WMEU	300, 600.....	PG-X	James Davidson.....	
Coulee.....	WTOU	300, 450, 600.....	PG-X	.....do.....	
Courageous.....	WVUA	300, 600.....	PG-X	U. S. S. B.....	
Covalt.....	KEMM	300, 600.....	PG-X	Morton Salt Co.....	
Covena.....	KEMP	300, 450, 600.....	PG-X	Hammond Lumber Co.....	
Craftsman.....	KIBR	300, 600.....	PG-X	M. J. Dady Eng. & Cont. Co.....	
Craigsmere.....	WXOO	300, 450, 600.....	PG-X	Morton Salt Co.....	
Craincreek.....	WNAA	300, 600.....	PG-X	U. S. S. B.....	
Crampton Anderson.....	KDOH	300, 450, 600.....	PG-X	Pan-American Pet. & Transp. Co.....	Do.
Cranenest.....	WNAE	300, 450, 600.....	PG-X	U. S. S. B.....	
Cranford.....	KOLX	300, 450, 600.....	PG-X	.....do.....	
Craster Hall.....	KLK	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	
Crathorne.....	WSOO	300, 600.....	PG-X	U. S. S. B.....	
Crawl Keys.....	WDEI	300, 600.....	PG-X	.....do.....	
Craycroft.....	WNAI	300, 600.....	PG-X	.....do.....	
Creole.....	KKR	300, 600, 706.....	PG-N	Southern Pacific Co.....	Owner of vessel.
Cretan.....	KQC	300, 450, 600, 706	PG-N	Merchants & Miners' Transpn. Co.....	I. W. T. Co.
Cricket.....	WSEI	300, 450, 600.....	PG-X	Fred Linderman.....	S. O. R. S.
Cripple Creek.....	KOJL	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Crisfield.....	KOKP	300, 600.....	PG-X	.....do.....	I. W. T. Co.
Cristina.....	KUZB	300, 450, 600.....	PG-X	Vincent Astor.....	Owner of vessel.
Cristobal.....	KMD	300, 450, 600.....	PG-N	Panama R. R. Co.....	R. C. A.
Crofton Hall.....	KLR	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	I. W. T. Co.
Cross Keys.....	KOTD	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Crown City.....	KUSP	300, 450, 600.....	PG-X	.....do.....	R. C. A.
Cuba.....	KDLK	300, 450, 600.....	PG-N	Steamship p Cuba, Inc.....	Do
Cuba.....	KDRT	300, 450, 600.....	PG-N	Peninsular & Occidental S. S. Co.....	
Cuba.....	WQU	300, 600.....	PG-N	Pacific Mail S. S. Co.....	F. T. Co.
Cubore.....	KUPP	300, 450, 600.....	PG-X	Guaranty Trust Co.....	R. C. A.
Culberson.....	KDDV	300, 600, 1800.....	PG-X	U. S. S. B.....	
Culburra.....	KOZR	300, 450, 600.....	PG-X	Ocean Motorship Co.....	Owner of vessel.
Cuprum.....	KDIJ	300, 600, 1800.....	PG-X	U. S. S. B.....	S. O. R. S.
Curacao.....	WGK	300, 600.....	PG-N	Pacific S. S. Co.....	R. C. A.
Currier.....	KNU	300, 450, 600.....	PG-X	Gulf Refining Co.....	I. W. T. Co.
Cushnet.....	KONB	300, 600.....	PG-X	U. S. S. B.....	
Cushnoc.....	KIMJ	300, 450, 600.....	PG-X	.....do.....	
Custodian.....	KIVZ	300, 600.....	PG-X	Pringle Barge Line Co.....	
Cuttlyhunk.....	KONC	300, 600.....	PG-X	U. S. S. B.....	
Cuyamaca.....	KUXD	300, 450, 600.....	PG-X	.....do.....	
Dade County.....	KIJZ	300, 600.....	PG-X	.....do.....	
Dakotan.....	WKD	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Dallas.....	KEQB	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Damacan.....	KELS	300, 600.....	PG-X	.....do.....	
Dan F. Hanlon.....	KDKU	300, 600.....	PG-X	D. J. Hanlon.....	
Daniel Kern.....	KDXG	300, 450, 600.....	PG-X	Independent Towing Co.....	Owner of vessel.
Daniel Webster.....	KOKM	300, 450, 600.....	PG-X	U. S. S. B.....	
Dammedaikai.....	KOPD	300, 450, 600.....	PG-X	.....do.....	R. C. A.
Darden.....	KUPK	300, 600.....	PG-X	U. S. Mex. Oil Corp.....	S. O. R. S.
Darien.....	KULG	300, 600.....	PG-X	Panama Canal.....	Owner of vessel.
Dartford.....	KDAV	300, 600.....	PG-X	U. S. Mex. Oil Corp.....	S. O. R. S.
Dauntless.....	KYR	300, 600.....	PG-X	Herbert W. Hanan.....	
Dauperata.....	KIZJ	300, 600.....	PG-X	U. S. S. B .....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Davenport.....	KUDR	300, 600.....	PG-X	U. S. S. B.....	
Davidson County.....	KINX	300, 600.....	PG-X	do.....	R. C. A.
David McKelvy.....	KDTD	300, 600.....	PG-X	Tidewater Oil Co.....	
Dawn.....	KDHZ	300, 600.....	PG-X	William T. Donnelly.....	
Dawnlite.....	KPP	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Daylite.....	KPR	300, 450, 600.....	PG-X	do.....	Do.
Dean Emery.....	KOFG	300, 450, 600.....	PG-X	Pan-American Pet. & Transp. Co.	Do.
De Bardeleben.....	KIZD	300, 450, 600.....	PG-X	W. G. Coyle & Co.....	Do.
Decatur Bridge.....	KECJ	300, 450, 600.....	PG-X	U. S. S. B.....	
Deepwater.....	KLY	300, 450, 600.....	PG-X	Castner, Curren & Buillitt.....	
Deerfield.....	WTIU	300, 600.....	PG-X	Elder Steel S. S. Co.....	
Deer Lodge.....	KIMD	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Defiance.....	WSEA	300, 600.....	PG-X	do.....	
Delanson.....	KOTX	300, 450, 600.....	PG-X	do.....	
Delavan.....	KIRQ	300, 450, 600.....	PG-X	do.....	
Delaware Sun.....	KDWQ	300, 450, 600.....	PG-X	Sun Oil Co.....	R. C. A.
Delecto.....	KYT	300, 450, 600, 706	PG-X	American Sugar Transit Corp.	Do.
Delfina.....	KIVS	300, 450, 600.....	PG-X	Baltimore S. S. Co.....	Do.
Delight.....	KQOE	300, 600.....	PG-X	U. S. S. B.....	
Delisle.....	KIVT	300, 600, 1800.....	PG-X	Baltimore S. S. Co.....	Do.
Delivery No. 5.....	KDCK	300, 600.....	PG-X	Standard Transpn. Co.....	
Delphine.....	KDRR	300, 450, 600.....	PG-N	Anna T. Dodge.....	Do.
Delrosa.....	KUTG	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Democracy.....	WAQ	300, 600.....	PG-N	do.....	
Depere.....	KDBA	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Deranof.....	KQIO	300, 600.....	PG-X	do.....	Do.
Derblay.....	KDDT	300, 450, 600.....	PG-X	do.....	
Derbyline.....	KIRT	300, 450, 600.....	PG-X	Texas Co.....	Do.
Deroche.....	KOJB	300, 450, 600.....	PG-X	Union Oil Co.....	R. C. A.
Des Moines Bridge.....	KUCG	300, 600.....	PG-X	U. S. S. B.....	
De Soto.....	KFFT	300, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Detroit-Wayne.....	KONX	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Deuel.....	KOMD	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Devolente.....	KIVR	300, 600.....	PG-X	Beacon Oil Co.....	
Dewey.....	KODT	300, 600.....	PG-X	U. S. S. B.....	
D. F. McAllister.....	KEJT	300, 450, 600.....	PG-X	Daniel F. McAllister.....	Do.
D. G. Scofield.....	WRD	300, 450, 600, 1800	PG-X	Standard Oil Co. of Calif.	R. C. A.
Diablo.....	KEPD	300, 600.....	PG-X	U. S. S. B.....	
Diana Dollar.....	KDWX	300, 450, 600.....	PG-X	Dollar S. S. Line.....	Do.
Dickenson.....	KFHG	300, 600.....	PG-X	Commercial Pacific Cable Co.	Do.
Dillwyn.....	KODX	300, 450, 600, 706	PG-X	Malston Co.....	I. W. T. Co.
Dilworth.....	KOVI	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Dinsmore.....	KDKN	300, 600.....	PG-X	do.....	I. W. T. Co.
Dio.....	WNEO	300, 450, 600.....	PG-X	do.....	Do.
Director.....	KIJG	300, 450, 600.....	PG-X	Southgate Export Coal Co.....	Do.
Dirigo.....	KEGM	300, 450, 600.....	PG-X	Texas Co.....	Do.
District of Columbia.....	KDMZ	300, 600, 1800	PG-X	U. S. S. B.....	S. O. R. S.
Dix.....	KFEM	300, 450, 600.....	PG-X	Robert Dollar Co.....	R. C. A.
Dixiano.....	KDSP	300, 450, 600.....	PG-X	American Sugar Transit Corp.	Do.
Dixie Arrow.....	KDVT	300, 600.....	PG-X	Standard Transpn. Co.....	Do.
Dochet.....	KIMR	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Dochra.....	KGL	300, 450, 600, 706	PG-X	La Plata S. S. Co.....	R. C. A.
Dolly C.....	KFAL	300, 450, 600.....	PG-X	Cary Davis Tug & Barge Co.....	
Dolphin.....	KDYZ	300, 450, 600.....	PG-X	Mortimer L. Schiff.....	Owner of vessel.
Domino.....	KIZB	300, 450, 600.....	PG-X	American Sugar Transit Corp.	R. C. A.
Donald McKay.....	KULL	300, 600.....	PG-X	U. S. S. B.....	
Donna Lane.....	KDGN	300, 600.....	PG-X	Donna Lane Motorship Corp.	Owner of vessel.
Dorchester.....	KQD	300, 450, 600, 706	PG-N	Merchants & Miners Transpn. Co.	I. W. T. Co.
Dorothy Alexander.....	WGP	300, 600.....	PG-N	Pacific S. S. Co.....	R. C. A.
Dorothy Bradford.....	KNA	300, 600.....	PR-X	Cape Cod S. S. Co.....	Owner of vessel.
Dorothy Luckenbach.....	KIJL	300, 450, 600, 706	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Doylestown.....	KIPG	300, 600.....	PG-X	U. S. S. B.....	
Dryden.....	KORK	300, 600, 1800	PG-X	do.....	Do.
Dulcino.....	KTV	300, 450, 600.....	PG-X	American Sugar Transit Corp.	R. C. A.
Dungannon.....	KUZZ	300, 450, 600.....	PG-X	Texas Co.....	I. W. T. Co.
Dunmore.....	KITV	300, 450, 600.....	PG-X	P. Dougherty.....	
Dunsyre.....	KUMF	300, 600.....	PG-X	James Botts.....	Owner of vessel.
Duquesne.....	KECS	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Durango.....	KDBT	300, 600, 1800	PG-X	Malston Co.....	I. W. T. Co.
Durham.....	KDNL	300, 450, 600.....	PG-X	France & Canada Oil Transp. Co.	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Eagle.....	KDBF	300, 600.....	PG-X	William K. Vanderbilt, jr.	Owner of vessel.
Eagle.....	KIR	300, 450, 600	PG-X	Standard Transpn. Co.	R. C. A.
E. A. Morse.....	KOVN	300, 600.....	PG-X	U. S. S. B.	
East Cape.....	KENC	300, 450, 600	PG-X	.....do.....	
East Chicago.....	KUKD	300, 600.....	PG-X	.....do.....	
Easterling.....	KEJD	300, 600.....	PG-X	.....do.....	
Eastern Admiral.....	KURM	300, 600.....	PG-N	.....do.....	
Eastern Belle.....	KUJT	300, 600.....	PG-X	.....do.....	
Eastern Breeze.....	KOPP	300, 450, 600	PG-X	.....do.....	
Eastern Chief.....	KSEI	300, 600.....	PG-X	.....do.....	
Eastern Coast.....	KURX	300, 450, 600	PG-X	.....do.....	
Eastern Crag.....	KUJV	300, 450, 600	PG-X	.....do.....	
Eastern Cross.....	WKIU	300, 450, 600	PG-X	.....do.....	
Eastern Crown.....	KUNQ	300, 450, 600	PG-X	.....do.....	
Eastern Dawn.....	KUQT	300, 450, 600, 1800	PG-X	.....do.....	S. O. R. S.
Easterner.....	WGEA	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Eastern Gale.....	KUDZ	300, 600.....	PG-X	.....do.....	R. C. A.
Eastern Glade.....	KUND	300, 600, 1800	PG-X	.....do.....	S. O. R. S.
Eastern Glen.....	KUVB	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Eastern Guide.....	KUCN	300, 450, 600	PG-X	.....do.....	Do.
Eastern King.....	WFEA	300, 450, 600	PG-X	.....do.....	R. C. A.
Eastern Knight.....	KUFB	300, 450, 600	PG-X	Columbia Pacific Shipping Co.	I. W. T. Co.
Eastern Leader.....	KDHY	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Eastern Light.....	WKII	300, 600.....	PG-N	.....do.....	
Eastern Maid.....	KUTF	300, 450, 600	PG-X	.....do.....	
Eastern Mariner.....	KUGB	300, 450, 600	PG-X	.....do.....	
Eastern Moon.....	KUDX	300, 450, 600	PG-X	.....do.....	
Eastern Pilot.....	KULJ	300, 450, 600	PG-X	.....do.....	
Eastern Planet.....	KUPD	300, 450, 600, 1800	PG-X	.....do.....	
Eastern Queen.....	KXUE	300, 600.....	PG-N	.....do.....	I. W. T. Co.
Eastern Sea.....	KTEA	300, 450, 600	PG-X	.....do.....	R. C. A.
Eastern Shore.....	WKIO	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Eastern Star.....	KTAU	300, 450, 600	PG-X	.....do.....	
Eastern States.....	WEE	300, 600.....	PG-N	Detroit & Cleve. Nav. Co.	I. W. T. Co.
Eastern Sun.....	KTIE	300, 450, 600	PG-X	U. S. S. B.	S. O. R. S.
Eastern Sword.....	KDKB	300, 450, 600	PG-X	.....do.....	R. C. A.
Eastern Tempest.....	KUVG	300, 450, 600, 706	PG-X	.....do.....	
Eastern Temple.....	KDEZ	300, 450, 600	PG-X	.....do.....	
Eastern Victor.....	KUNR	300, 450, 600	PG-X	.....do.....	
East Hampton.....	KDFZ	300, 450, 600	PR-X	C. E. Davis Packing Co.	
East Indian.....	WGEI	300, 600.....	PG-N	U. S. S. B.	
Eastport.....	WCIE	300, 450, 600	PG-X	.....do.....	
East Side.....	KIMQ	300, 450, 600, 706	PG-X	.....do.....	I. W. T. Co.
East Wind.....	KEKB	300, 450, 600	PG-X	.....do.....	Do.
Eclipse.....	KEGF	300, 450, 600	PG-X	.....do.....	S. O. R. S.
E. C. Pope.....	WZAU	300, 600.....	PG-X	Inter-Coast S. S. Co.	I. W. T. Co.
Ecuador.....	WBN	300, 600, 1800	PG-X	Pacific Mail S. S. Co.	F. T. Co.
Edenton.....	KECB	300, 450, 600	PG-X	U. S. S. B.	
Edgar Bowling.....	KIFD	300, 450, 600	PG-X	Garland S. S. Corp.	R. C. A.
Edgar F. Coney.....	KDHD	300, 600.....	PG-X	Philip Shore.	
Edgar F. Luckenbach.....	KGK	300, 450, 600	PG-X	Luckenbach S. S. Co.	S. O. R. S.
Edgefield.....	KEBF	300, 450, 600	PG-X	U. S. S. B.	
Edgehill.....	KETN	300, 450, 600	PG-X	.....do.....	R. C. A.
Edgemoor.....	KEVF	300, 600.....	PG-X	.....do.....	
Edgemont.....	KETP	300, 600.....	PG-X	.....do.....	
Edith.....	KZF	300, 600.....	PG-X	A. H. Bull S. S. Co.	I. W. T. Co.
Editor.....	KOBG	300, 450, 600	PG-X	U. S. S. B.	R. C. A.
Edmore.....	KILJ	300, 450, 600	PG-X	.....do.....	I. W. T. Co.
Edna Christenson.....	WSJ	300, 450, 600	PG-X	Western Mercantile Marine Co.	R. C. A.
Edris.....	KDBG	300, 600.....	PG-X	Thomas H. Inc.	Owner of vessel.
Edward L. Doheny.....	WIE	300, 450, 600	PG-X	Pan-American Pet. & Transpn. Co.	R. C. A.
Edward L. Doheny, Junior.....	WIJ	300, 450, 600	PG-X	.....do.....	Do.
Edward Luckenbach.....	KGQ	300, 450, 600	PG-X	Luckenbach S. S. Co.	S. O. R. S.
Edward Peirce.....	KMOU	300, 450, 600	PG-X	Crowell & Thurlow S.S. Co.	Owner of vessel.
Edward Sewall.....	KFFL	300, 450, 600	PG-X	Alaska Packers Assn.	Do.
Eelbeck.....	KINQ	300, 600.....	PG-X	U. S. S. B.	S. O. R. S.
Effingham.....	KOLT	300, 450, 600	PG-X	.....do.....	R. C. A.
Effna.....	KOMT	300, 450, 600, 706	PG-X	.....do.....	Do.
E. G. Crosby.....	WDI	300, 600.....	PG-N	Crosby Transpn. Co.	S. O. R. S.
Eglantine.....	KOPT	300, 450, 600, 706	PG-X	U. S. S. B.	R. C. A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by
Egremont.....	KOQS	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
E. J. Earling.....	WEI	300, 600.....	PG-X	Franklin S. S. Co.....	R. C. A.
El Abeto.....	KENN	300, 600.....	PG-X	Los Angeles Lumber Products Co.....	
El Alba.....	KKL	300, 600, 706	PG-X	Southern Pacific Co.....	Owner of vessel.
El Almirante.....	KKG	300, 450, 600	PG-X	do.....	Do.
El Capitan.....	KKH	300, 450, 600, 706	PG-X	do.....	Do.
El Capitan.....	WNB	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	R. C. A.
El Cicut.....	KDIY	300, 450, 600	PG-X	Los Angeles Lumber Products Co.....	
El Cid.....	KKT	300, 450, 600	PG-X	Southern Pacific Co.....	Owner of vessel.
Eldena.....	KEVG	300, 450, 600	PG-X	U. S. S. B.....	R. C. A.
El Dia.....	KKY	300, 600.....	PG-N	Southern Pacific Co.....	Owner of vessel.
E.L. Doheny, Third	WROO	300, 450, 600	PG-X	Pan American Pet. & Transpn. Co.....	R. C. A.
Eldorado.....	KMOI	300, 450, 600	PG-X	Western Transport Co.....	Do.
Eldridge.....	KICN	300, 450, 600	PG-X	U. S. S. B.....	I. W. T. Co.
Eleodoro.....	WVOE	300, 600.....	PG-X	Los Angeles Lumber Products Co.....	
El Estero.....	KDKT	300, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Elfay.....	KOVQ	300, 450, 600	PG-X	Russell A. Alger.....	S. O. R. S.
Elinor.....	KVR	300, 600.....	PG-X	U. S. S. B.....	
Elisha.....	KDGQ	300, 600.....	PG-X	Pan-American Pet. & Transp. Co.....	R. C. A.
El Isleo.....	KDNA	300, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Elizabeth.....	KORC	300, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Elkhorn.....	KOCL	300, 450, 600	PG-X	U. S. S. B.....	R. C. A.
Elkridge.....	KISG	300, 600.....	PG-X	do.....	
Elkton.....	KOFK	300, 450, 600	PG-X	do.....	I. W. T. Co.
El Lago.....	KDNW	300, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Ellenor.....	KUGX	300, 450, 600, 706	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Elmore.....	KFFG	300, 450, 600	PG-X	American Tug Boat Co.....	
Elmsport.....	KILF	300, 450, 600	PG-X	U. S. S. B.....	Do.
El Mundo.....	KKU	300, 450, 600, 706	PG-X	Southern Pacific Co.....	Owner of vessel.
El Norte.....	KKN	300, 450, 600	PG-X	do.....	Do.
El Occidente.....	KKX	300, 600, 706	PG-N	do.....	Do.
El Oriente.....	KKV	300, 450, 600	PG-X	do.....	Do.
E. L. Pierce.....	KDXL	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. A.
El Rio.....	KKZ	300, 600, 706	PG-N	Southern Pacific Co.....	Owner of vessel.
El Segundo.....	WTQ	300, 600.....	PG-X	Standard Oil Co. of Calif.....	R. C. A.
El Siglo.....	KKS	300, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
El Sol.....	KKB	300, 600, 706	PG-X	do.....	Do.
El Sud.....	KKQ	300, 450, 600	PG-X	do.....	Do.
El Valle.....	KKW	300, 600.....	PG-X	do.....	Do.
Emergency Aid.....	KDKD	300, 600, 1800	PG-X	U. S. S. B.....	S. O. R. S.
Empire.....	KFIR	300, 600.....	PG-X	Sabine Towing Co.....	
Empire Arrow.....	KDUG	300, 600.....	PG-X	Standard Transpn. Co.....	R. C. A.
Endicott.....	KODN	300, 450, 600	PG-X	U. S. S. B.....	S. O. R. S.
Englewood.....	WGAA	300, 600.....	PG-X	do.....	
Ensley City.....	KUZS	300, 450, 600, 706	PG-X	U. S. Steel Products Co.....	R. C. A.
Enterprise.....	WMN	300, 450, 600	PG-N	Matson Navigation Co.....	Do.
Eocene.....	KTM	300, 600.....	PG-X	Standard Transpn. Co.....	
Epitacio Pessoa.....	KOCC	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Equator.....	KDWI	300, 450, 600	PG-X	Cary Davis Tug & Barge Co.....	R. C. A.
E. R. Kemp.....	KDQD	300, 600.....	PG-X	Sinclair Navigation Co.....	Owner of vessel.
Ernest H. Meyer.....	WMJ	300, 600.....	PG-X	Broughton & Wiggins Nav. Co.....	
E. R. Sterling.....	WIS	300, 600.....	PG-X	Sterling Ship Co.....	Do.
Escambia.....	KOGK	300, 600.....	PG-X	U. S. S. B.....	
Esparta.....	KDO	300, 450, 600	PG-X	United Fruit S. S. Corp.....	T. R. T. Co.
Esperanza.....	KWZ	300, 450, 600, 706	PG-N	New York & Cuba Mail S. S. Co.....	I. W. T. Co.
Essex.....	KQE	300, 450, 600	PG-N	Merchants & Miners Transpn. Co.....	Do.
Esther Weems.....	WQOA	300, 600.....	PG-X	Baltimore & Carolina S. S. Co.....	
Estrada Palma.....	KDMG	300, 600.....	PG-X	Florida East Coast Car Ferry Co.....	R. C. A.
E. T. Bedford.....	KDSB	300, 450, 600	PG-X	Standard Oil Co. of N. J.....	
Ethan Allen.....	KUJQ	300, 600, 1800	PG-X	U. S. S. B.....	S. O. R. S.
Eugene V. R. Thayer.....	KDMA	300, 600.....	PG-X	Sinclair Navigation Co.....	R. C. A.
Eurana.....	KFDW	300, 600.....	PG-X	New York Shipbuilding Corp.....	I. W. T. Co.
Evansville.....	KIKT	300, 600.....	PG-N	U. S. S. B.....	Do.
Evelyn.....	KZP	300, 450, 600	PG-X	A. H. Bull S. S. Co.....	
Everett.....	KUQR	300, 600.....	PG-X	Chas. R. McCormick & Co.....	Owner of vessel.
Everett.....	KZT	300, 450, 600, 706	PG-X	New England Fuel & Transpn. Co.....	R. C. A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Everglades.....	WQEE	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Evergreen City.....	KUNJ	300, 450, 600.....	PG-X	.....do.....	Do.
E. W. Sinclair.....	KDRN	300, 600.....	PG-X	Sinclair Navigation Co.....	R. C. A.
Excelsior.....	KKO	300, 600.....	PG-N	Southern Pacific Co.....	Owner of vessel.
Explorer.....	KIVN	300, 600.....	PG-X	U. S. S. B.....	
Facile.....	KFHV	146, 300, 600.....	PR-X	Horace A. Beale, Jr.....	Do.
F. A. Douty.....	KFGE	300, 450, 600.....	PG-X	Multnomah Lumber & Box Co.....	Do.
Fairfield City.....	KDPY	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	R. C. A.
Fair Oaks.....	WSM	300, 600.....	PG-X	Oriental Navigation Corp.....	
Faith.....	KDVG	300, 600.....		Irving E. Raymond.....	
Faraby.....	KEJV	300, 450, 600.....	PG-X	U. S. S. B.....	
Fargo.....	KONL	300, 600.....	PG-X	.....do.....	
Farnam.....	KQIE	300, 600.....	PG-X	.....do.....	
Favorite.....	KDNY	300, 600.....		Panama Canal.....	Owner of vessel.
Favorite.....	KIFG	300, 600.....	PG-X	Great Lakes Towing Co.....	R. C. A.
Favorite.....	WCF	300, 600.....	PG-X	U. S. S. B.....	Do.
F. A. Warner.....	WMEO	300, 600.....	PG-X	Pacific States Lumber Co.....	
Fayette Brown.....	WQG	300, 600.....	PG-X	Harvey H. Brown & Co.....	Do.
F. B. Squire.....	WFU	300, 600.....	PG-X	Jenkins S. S. Co.....	Do.
F. C. Latrobe.....	KDOL	300, 600.....	PG-X	City of Baltimore.....	Owner of vessel.
Fearless.....	KDRA	300, 600.....	PG-X	Ship Owners and Merchants Tugboat Co.....	Do.
Federal.....	KDWY	300, 450, 600.....	PG-X	American Petroleum Co.....	S. O. R. S.
Federal.....	WD00	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Federal Bridge.....	KOCN	300, 450, 600.....	PG-X	.....do.....	
Felix Taussig.....	KXZ	300, 600.....	PG-X	Crowell & Thurlow S. S. Co.....	Owner of vessel.
Feltore.....	KFG	300, 600.....	PG-X	Guaranty Trust Co.....	R. C. A.
F. H. Hillman.....	KDVK	300, 600.....	PG-X	Standard Oil Co.....	Do.
Fidus.....	KDXB	300, 600.....	PG-X	Frank J. Kelly.....	
Finland.....	KSF	300, 450, 600, 706.....	PG-N	International Mercantile Ma- rine Co.....	I. W. T. Co.
Firmore.....	KDX	300, 450, 600.....	PG-X	Guaranty Trust Co.....	R. C. A.
Firthcliffe.....	KITF	300, 600.....	PG-X	U. S. S. B.....	
Fisher.....	KFCX	300, 450, 600.....	PG-X	Portland Trawling Co.....	Do.
Fishkill.....	KULF	300, 600.....	PG-X	U. S. S. B.....	
F. J. Luckenbach.....	WNZ	300, 450, 600.....	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Florence Lucken- bach.....	WNM	300, 450, 600.....	PG-X	.....do.....	Do.
Florence Olson.....	WRI	300, 600.....	PG-X	Oliver J. Olson & Co.....	Owner of vessel.
Floridian.....	WLR	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Fluor Spar.....	KIQX	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Forest King.....	KDBH	300, 600, 706.....	PG-X	Forest King Co.....	Owner of vessel.
Fort Armstrong.....	KUKF	300, 600.....	PG-X	U. S. S. B.....	
Fort Bragg.....	WLH	300, 600.....	PG-X	Charles H. Higgins.....	
Fort George.....	KDJB	300, 600.....	PG-X	U. S. S. B.....	
Fort Pitt Bridge.....	KWB	300, 450, 600.....	PG-X	.....do.....	
Fortuna.....	KDWU	300, 450, 600.....	P-X	Richmond Talbot.....	
Fort Wayne.....	WD0U	300, 450, 600.....	PG-X	U. S. S. B.....	
Fort Worth.....	KLD	300, 600.....	PG-X	.....do.....	
Fourth Alabama.....	KIXJ	300, 600.....	PG-X	.....do.....	
F. Q. Barstow.....	KNQ	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Francis E. Powell.....	KFIG	300, 450, 600.....	PG-X	Atlantic Refining Co.....	Do.
Frank Billings.....	KDXM	300, 600.....	PG-X	Pioneer S. S. Co.....	Do.
Frank G. Drum.....	KDQZ	300, 600.....	PG-X	Associated Oil Co.....	Owner of vessel.
Frank H. Buck.....	WTO	300, 600, 1800.....	PG-X	.....do.....	F. T. Co.
Frank H. Goodyear.....	KFEG	300, 600.....	PG-X	American S. S. Co.....	Owner of vessel.
Franklin.....	KDPK	300, 450, 600.....	PG-X	Galena Navigation Co.....	R. C. A.
Franklin County.....	KOTV	300, 600.....	PG-X	U. S. S. B.....	
Franklin K. Lane.....	KDLH	300, 600.....	PG-X	Pan-American Pet. & Trans- port Co.....	Do.
Frank Lynch.....	KLIU	300, 600.....	PG-X	W. J. Gray, Jr.....	
Fred Baxter.....	WOG	300, 600.....	PG-X	Fred Baxter S. S. Co.....	Owner of vessel.
Frederic Ewing.....	WNQ	300, 450, 600.....	PG-X	Pan-American Pet. & Trans- port Co.....	R. C. A.
Frederic R. Kellogg.....	WIQ	300, 450, 600.....	PG-X	.....do.....	Do.
Fred W. Weller.....	KNY	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Freedom.....	KFW	300, 600.....	PG-N	U. S. S. B.....	
Freeman.....	WMM	300, 450, 600.....	PG-X	Pocahontas S. S. Co.....	Do.
Freepoet Sulphur No. 1.....	KRA	300, 450, 600.....	PG-X	Freeport Sulphur Transpn. Co.....	Do.
Freepoet Sulphur No. 2.....	KRG	300, 450, 600.....	PG-X	.....do.....	Do.
Freepoet Sulphur No. 5.....	KUMK	300, 450, 600.....	PG-X	.....do.....	Do.
Freepoet Sulphur No. 6.....	KUNP	300, 450, 600.....	PG-X	.....do.....	Do.
Fresno.....	KTIO	300, 600.....	PG-N	U. S. S. B.....	
F. R. Hazard.....	KDXK	300, 600.....	PG-X	Pioneer S. S. Co.....	Do.
Frieda.....	KFF	300, 450, 600.....	PG-X	Union Sulphur Co.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Gaffney.....	KICR	300, 450, 600..	PG-X	U. S. S. B.....	S. O. R. S.
Galahad.....	KEQR	300, 600.....	PG-X	.....do.....	I. W. T. Co.
Galesburg.....	WGAE	300, 600.....	PG-N	.....do.....	
Galveston.....	KDQE	300, 450, 600..	PG-X	.....do.....	
Garfield.....	WQOE	300, 450, 600..	PG-X	Grace S. S. Co.....	R. C. A.
		706			
Gargoyle.....	KDPE	300, 600.....	PG-X	Vacuum Oil Co.....	Do.
Garibaldi.....	KROU	300, 600.....	PG-X	U. S. S. B.....	
Gaston.....	KFCF	300, 450, 600, 706.	PG-X	Pensacola Shipbuilding Co.....	Owner of vessel.
Gateway City.....	KDFD	300, 450, 600..	PG-X	U. S. S. B.....	
G. A. Tomlinson.....	KDXJ	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. A.
Gdansk.....	WHJ	300, 450, 600..	PG-N	Walter A. Rush.....	Do.
Gene Crawley.....	KQF	300, 450, 600..	PG-X	Sinclair Gulf Corp.....	Do.
General G. W. Goethals.....	KMZ	300, 450, 600..	PG-N	Panama R. R. Co.....	Owner of vessel.
General H. F. Hodges.....	KPG	300, 600.....	PG-N	.....do.....	Do.
General O. H. Ernst.....	KPF	300, 450, 600, 706	PG-N	.....do.....	Do.
General W. C. Gorgas.....	KIP	300, 450, 600, 706	PG-N	.....do.....	Do.
Genesee.....	KIDL	300, 450, 600..	PG-X	Arthur L. Crowley.....	Do.
Geo. H. Jones.....	KIPS	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Geo. L. Harvey.....	KDET	300, 600.....	PG-X	Joseph Kildall.....	
George Allen.....	KUNF	300, 450, 600..	PG-X	Garland S. S. Corp.....	Do.
George B. Mac- Kenzie.....	KFGO	300, 450, 600..	PG-X	American Bauxite Co.....	Do.
George C. Greer.....	KOQL	300, 450, 600..	PG-X	Magnolia Petroleum Co.....	Owner of vessel.
George G. Henry.....	WIT	300, 450, 600..	PG-X	Pan-American Pet. & Trans- port Co.....	R. C. A.
George L. Olson.....	KFGU	300, 600.....	PG-X	Oliver J. Olson.....	Owner of vessel.
George Pierce.....	KDLT	300, 600, 1800	PG-X	U. S. S. B.....	S. O. R. S.
George Washington.....	KDCL	300, 450, 600, 706	PG-N	.....do.....	Do.
George W. Barnes.....	KMUI	300, 600.....	PG-X	Pan-American Pet. & Trans- port Co.....	R. C. A.
Georgia.....	KUR	300, 600.....	PG-X	Texas Co.....	I. W. T. Co.
Georgia.....	WFA	300, 600.....	PG-X	Crosby Transpn. Co.....	
Georgian.....	KOVP	300, 450, 600..	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Georgina Rolph.....	KETX	300, 600.....	PG-X	Rolph Navigation & Coal Co.....	Owner of vessel.
G. E. Roper.....	KFIP	300, 600.....	PG-X		
Gertrude.....	KDVC	300, 600.....	PR-X	Sabine Towing Co.....	I. W. T. Co.
Gladysbe.....	KDEV	300, 450, 600..	PG-X	U. S. Mex. Oil Corp.....	S. O. R. S.
Glendaruel.....	WDF	300, 450, 600..	PG-X	Glendaruel S. S. Corp.....	I. W. T. Co.
Glendola.....	KFAI	300, 450, 600..	PG-X	Glendola S. S. Corp.....	
Glendoyle.....	KFAO	300, 600.....	PG-X	Glendoyle S. S. Corp.....	
Glenpool.....	KOH	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	
Glen Ridge.....	KIRZ	300, 450, 600, 706	PG-X	U. S. S. B.....	R. C. A. Do.
Glen White.....	KSIE	300, 600.....	PG-X	Castner, Curran & Bullitt.....	
Gloria West.....	KDSK	300, 450, 600..	PG-X	H. T. West.....	Owner of vessel.
Gloucester.....	KQG	300, 450, 600, 706	PG-N	Merchants & Miners Transp. Co.....	I. W. T. Co.
Glymont.....	KEXZ	300, 450, 600..	PG-X	U. S. S. B.....	
Glyndon.....	KEZQ	300, 450, 600..	PG-X	Glyndon S. S. Corp.....	
G. N. Wilson.....	KDUX	300, 600.....	PG-X	American S. S. Co.....	
Gold Shell.....	WIB	300, 450, 600..	PG-X	Gold Shell S. S. Co.....	R. C. A.
Gold Star.....	KDPZ	300, 600.....	PG-X	U. S. S. B.....	
Goliath.....	KFDI	300, 600.....	PG-N	.....do.....	
Gonzalas.....	KOBQ	300, 600.....	PG-X	.....do.....	
Goodspeed.....	WKEO	300, 600.....	PG-X	.....do.....	
Good Will.....	KFGI	300, 600.....	PG-X	Keith Spalding.....	Do.
Goree.....	WLII	300, 450, 600..	PG-X	U. S. S. B.....	
Gorgona.....	KDNZ	300, 600.....	PG-X	Panama Canal.....	
Governor Cobb.....	KRB	300, 600.....	PG-N	Peninsular & Occidental S. S. Co.....	Do.
Governor Dingley.....	KRV	300, 600, 706..	PG-N	Eastern S. S. Lines.....	Do.
Governor John Lind.....	WREU	300, 450, 600..	PG-X	Baltimore S. S. Co.....	I. W. T. Co.
Grand Haven.....	KEXR	300, 600.....	PG-X	Grand Trunk Car Ferry Line.....	
Gratia.....	KIGP	300, 450, 600..	PG-X	Braddock Navigation Co.....	
Grecian.....	KQR	300, 450, 600..	PG-N	Merchants & Miners Transp. Co.....	Do.
Greenland.....	KUPG	300, 600.....	PG-X	U. S. S. B.....	
Greenwood.....	WLL	300, 600.....	PG-X	Greenwood S. S. Co.....	Do.
Grifdu.....	KDIL	300, 450, 600, 706	PG-X	Universal S. S. & Barge Co.....	S. O. R. S.
G. S. Allyn.....	KDZY	300, 450, 600..	PR-X	C. E. Davis Packing Co.....	Owner of vessel.
Guantanamo.....	KWN	300, 600.....	PG-X	New York & Cuba Mail S. S. Co.....	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Guardian	WGZ	300,600	PG-X	All America Cable Co.	Owner of vessel.
Guardsman	KIVX	300,600	PG-X	T. A. Scott Co.	
Guarina	KDZS	300,600		P. E. Fansler	
Guaro	WJV	300,600	PG-X	U. S. S. B.	
Guimba	WJIE	300,600	PG-N	do.	
Guinevere	KDUP	300,600	PR-X	Edgar Palmer	Do.
Gulfcoast	KUE	300,600	PG-X	Gulf Refining Co.	I. W. T. Co.
Gulking	KDNO	300,450,600, 706	PG-X	do.	Do.
Gulfland	KUD	300,600	PG-X	do.	Do.
Gulflight	KUA	300,600	PG-X	do.	Do.
Gulfmaid	KUB	300,450,600	PG-X	do.	Do.
Gulf of Mexico	KUC	300,450,600	PG-X	do.	Do.
Gulfoil	KTG	300,450,600	PG-X	do.	Do.
Gulfpoint	KUPF	300,450,600, 706	PG-X	do.	Do.
Gulf Prince	KDRB	300,600	PG-X	do.	Do.
Gulf Queen	KVS	300,600,706	PG-X	do.	Do.
Gulfstar	KDEB	300,450,600, 706	PG-X	do.	Do.
Gulfstream	KTB	300,600	PG-X	do.	Do.
Gulftrade	KOVB	300,600,706	PG-X	do.	Do.
Gunston Hall	KICV	300,600	PG-N	do.	
Haddon	KIRN	300,450,600	PG-X	do.	
Hadnot	KOGP	300,450,600	PG-X	Steamer Freeport Corp.	R. C. A.
Hagan	KOQC	300,450,600	PG-X	U. S. S. B.	
Hagood	KOQD	300,450,600	PG-X	Cities Service Co.	Do.
Hahira	KUZC	300,600	PG-X	U. S. S. B.	
Haiti	KUFK	300,450,600, 706	PG-X	do.	Do.
Halcyon	KZL	300,450,600	PG-X	Dutee W. Flint	Owner of vessel.
Haleakala	KORL	300,600	PG-X	U. S. S. B.	I. W. T. Co.
Haleakala	KFEU	300,450,600	PG-N	Inter Island Steam Nav. Co.	R. C. A.
Half Moon	KUVX	300,450,600	PG-N	U. S. S. B.	Do.
Half Moon	KDTY	300,600		Gordon Woodbury	
Halo	KDCP	300,450,600, 1800	PG-X	Cities Service Co.	Do.
Halsey	KDDR	300,600	PG-X	Malston Co.	I. W. T. Co.
Halway	KDFQ	300,600,706, 1800	PG-X	Gulf Refining Co.	Do.
Hamilton	KFAM	300,600,706	PG-X	Old Dominion Transpn. Co.	R. C. A.
Hannam	KDTJ	300,600,1800	PG-X	General Petroleum Corp.	
Hampden	WXUI	300,450,600	PG-X	Coastwise Transpn. Corp.	Do.
Hampton Roads	KESR	300,600,1800	PG-X	U. S. S. B.	S. O. R. S.
Hancock County	KORT	300,450,600	PG-X	do.	
Hanley	KDIF	300,600,1800	PG-X	do.	Do.
Hannawa	KDFR	300,600,1800	PG-X	do.	Do.
Hanover	KOJK	300,450,600	PG-X	do.	I. W. T. Co.
Harold B. Nye	KDXS	300,600	PG-X	Pioneer S. S. Co.	R. C. A.
Harold Walker	WIX	300,450,600	PG-X	Pan-American Pet. & Trans- port Co.	Do.
Harry Farnum	KQA	300,450,600	PG-X	Sinclair Gulf Corp.	Do.
Harry Luckenbach	KIGS	300,450,600, 706	PG-X	Luckenbach S. S. Co.	S. O. R. S.
Harry W. Croft	WQF	300,600	PG-X	Harvey H. Brown & Co.	R. C. A.
Harry Yates	KDUB	300,600	PG-X	American S. S. Co.	Owner of vessel.
Hartford	KOSX	300,450,600	PG-X	U. S. S. B.	
Hartwood	KEVR	300,600	PG-X	Hart-Wood Lumber Co.	Do.
Harvard	WRH	300,600	PG-N	Los Angeles S. S. Co.	F. T. Co.
Harvester	KDHC	300,600	PG-X	Texas S. S. Co.	I. W. T. Co.
Harvey H. Brown	WQE	300,600	PG-X	Castner, Curran & Bullitt	R. C. A.
Haslehurst	KOXB	300,450,600	PG-X	U. S. S. B.	
Hastings	KDDL	300,450,600	PG-X	do.	I. W. T. Co.
Hastnai	KUVP	300,600	PG-X	W. E. Price	Do.
Hatchie	KIVJ	300,600	PG-X	U. S. S. B.	
Hathaway	KODK	300,600	PG-X	do.	
Hatteras	WNV	300,450,600	PG-X	do.	R. C. A.
Havilah	KUJK	300,450,600	PG-X	do.	
Hawaiian	WKU	300,450,600, 706	PG-X	American-Hawaiian S. S. Co.	United American Lines.
Hawarden	KUPX	300,450,600	PG-X	U. S. S. B.	
Haxtum	KUTB	300,450,600	PG-X	do.	
Hayden	KUZP	300,450,600	PG-X	do.	
Haymon	KDBU	300,600	PG-X	do.	
Haynie	KDCR	300,600	PG-X	do.	
H. C. Folger	KHS	300,450,600	PG-X	Atlantic Refining Co.	R. C. A.
Heber	KDDU	300,600	PG-X	U. S. S. B.	
Heffron	WBAl	300,450,600	PG-X	do.	Do.
Hegira	KIDF	300,600	PG-X	do.	Do.
Helen	KZH	300,600,706	PG-X	Bull-Insular S. S. Co.	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Henry Clay.....	KESZ	300, 600.....	PG-X	U. S. S. B.....	
Henry County.....	KOMS	300, 600.....	PG-X	do.....	S. O. R. S.
Henry D. Whiton.....	KDRM	300, 450, 600.....	PG-X	Union Sulphur Co.....	Owner of vessel.
Henry J. Biddle.....	WOW	300, 600.....	PG-X	California & Hawaiian Sugar Refining Co.....	
Henry M. Flagler.....	KOX	300, 600.....	PG-X	Florida East Coast Car Ferry Co.....	R. C. A.
Henry R. Mallory.....	KEF	300, 450, 600, 706	PG-N	Mallory S. S. Co.....	I. W. T. Co.
Henry S. Grove.....	KDLN	300, 600, 706, 1800	PG-X	Nautilus S. S. Corp.....	S. O. R. S.
Henry Steers.....	KURR	300, 450, 600.....	PG-X	U. S. S. B.....	
Hera.....	KDGA	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Herbert G. Wylie.....	WIF	300, 450, 600.....	PG-X	Pan-American Pet. & Transport Co.	Do.
Herbert L. Pratt.....	KOY	300, 600.....	PG-X	Atlantic Refining Co.....	Do.
Hercules.....	KOCT	300, 600.....	PG-X	Moore Shipbuilding Co.....	Owner of vessel.
Heredia.....	KDH	300, 450, 600.....	PG-X	United Fruit S. S. Corp.....	T. R. T. Co.
Herman Frasch.....	KDLW	300, 450, 600.....	PG-X	Union Sulphur Co.....	S. O. R. S.
Hermosa.....	WBP	300, 600.....	PG-X	Wilmington Transpn. Co.....	R. C. A.
H. F. Alexander.....	KDYK	300, 550, 600, 1800	PG-N	Pacific S. S. Co.....	Do.
H. F. Morse.....	KOFJ	300, 600.....	PG-N	United States Transport Co.....	
H. H. Rogers.....	KSI	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Hickman.....	WFOA	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Hico.....	KECK	300, 600.....	PG-X	do.....	
Higo.....	KUBV	300, 450, 600.....	PG-X	do.....	R. C. A.
Hillsborough County.....	KIKB	300, 600.....	PG-X	do.....	
Hilton.....	KZK	300, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Hinckley.....	KURB	300, 450, 600.....	PG-X	U. S. S. B.....	
Hisko.....	WQD	300, 600.....	PG-X	do.....	
H. M. Flagler.....	KER	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. A.
H. M. Storey.....	KDVV	300, 600.....	PG-X	Standard Oil Co. of Calif.....	Do.
Hog Island.....	KODV	300, 450, 600, 706	PG-X	U. S. S. B.....	Do.
Holbrook.....	WQII	300, 600.....	PG-X	do.....	S. O. R. S.
Holden Evans.....	KMY	300, 450, 600.....	PG-X	Holden Evans S. S. Co.....	Owner of vessel.
Hollywood.....	KDCS	300, 450, 600, 706	PG-X	U. S. S. B.....	R. C. A.
Holyoke Bridge.....	KUCJ	300, 600.....	PG-X	do.....	
Homer.....	KUMG	300, 600.....	PG-X	D. J. Hanlon.....	
Homestead.....	KEKR	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Honnedaga.....	KUXZ	300, 600.....	PG-N	do.....	
Hopatcong.....	KDKC	300, 600.....	PG-N	do.....	
Horace Luckenbach.....	KULK	300, 450, 600.....	PG-X	Luckenbach S. S. Co.....	Owner of vessel.
Horace X. Baxter.....	WOF	300, 600.....	PG-X	Horace X. Baxter S. S. Co.....	Do.
Houma.....	WTUO	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Houston.....	KDCO	300, 450, 600.....	PG-X	do.....	
Hoven.....	KEXV	300, 450, 600.....	PG-N	do.....	Do.
Howard.....	KQH	300, 450, 600, 706	PG-N	Merchants & Miners Transpn. Co.....	Do.
Howick Hall.....	KLT	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	R. C. A.
Hoxbar.....	LIJQ	300, 600.....	PG-X	U. S. S. B.....	
Hoxie.....	KEMK	300, 450, 600, 706	PG-X	do.....	S. O. R. S.
H. T. Harper.....	KDVM	300, 600, 706.....	PG-X	Standard Oil Co. of Calif.....	R. C. A.
Hugh Kennedy.....	KFCJ	300, 600.....	PG-X	Buffalo S. S. Co.....	
Hugoton.....	KIQR	300, 450, 600, 706	PG-X	Malston Co.....	
Huguennot.....	KIVQ	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Hukey.....	KIFC	300, 600.....	PG-X	do.....	I. W. T. Co.
Hulaco.....	KODQ	300, 600.....	PG-X	do.....	
Hulver.....	KIGD	300, 450, 600.....	PG-X	do.....	R. C. A.
Humaconnna.....	KIGC	300, 450, 600.....	PG-X	Merrill & Ring Lumber Co.....	
Humboldt.....	WHX	300, 600.....	PG-N	Fred Linderman.....	Owner of vessel.
Humrick.....	KIFN	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Huron.....	KVH	300, 450, 600, 706	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Huron.....	WCH	300, 600.....	PG-X	Wyandotte Transpn. Co.....	R. C. A.
Hutchinson.....	KUJP	300, 450, 600.....	PG-X	U. S. S. B.....	
H. W. Baxter.....	VMAE	300, 450, 600.....	PG-X	Horace X. Baxter S. S. Corp.....	
Hyades.....	WMK	300, 600.....	PG-X	Matson Navigation Co.....	Do.
Hyannis.....	KINC	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Hybert.....	KDCA	300, 600.....	PG-X	do.....	
Ice King.....	KJUA	300, 600.....	PG-N	do.....	
Iceland.....	KOKK	300, 600.....	PG-X	do.....	
Iconium.....	WQUO	300, 600.....	PG-X	do.....	
I. C. White.....	KDBB	300, 450, 600.....	PG-X	Pan-American Pet. & Transport Co.	R. C. A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
I. J. Merritt.....	KOVZ	300,600.....	PG-X	Merritt & Chapman Derrick & Wrecking Co.	Owner of vessel.
Illinois.....	KDSZ	300,600,1800.	PG-X	Texas Co.....	I. W. T. Co.
Illinois.....	WCZ	300,600.....	PG-X	Goodrich Transit Co.....	R. C. A.
Imlay.....	KIZV	300,600.....	PG-X	Malston Co.....	
Independence.....	WJIO	300,450,600.	PG-X	U. S. S. B.....	S. O. R. S.
Independence Hall	KDCG	300,450,600.	PG-X	Do.....	R. C. A.
Independent Bridge.	KOGB	300,600.....	PG-X	Do.....	
Indiana Arrow.....	KDHP	300,450,600.	PG-X	Standard Transpn. Co.....	Do.
Indian.....	KFEK	300,450,600.	PG-X	Merchants & Miners' Transpn. Co.....	I. W. T. Co.
Indiana.....	WFC	300,600.....	PG-X	Goodrich Transit Co.....	R. C. A.
Indiana Bridge.....	KOND	300,450,600.	PG-X	U. S. S. B.....	
Indiana Harbor.....	KUBS	300,600.....	PG-X	Do.....	
Indianapolis.....	WROE	300,600.....	PG-N	Do.....	
Ingold.....	WLUU	300,600.....	PG-X	Do.....	
Innoko.....	KITJ	300,450,600.	PG-X	Do.....	I. W. T. Co.
Inspector.....	KOKR	300,600.....	PG-X	Do.....	
Intan.....	KIGK	300,600.....	PG-N	Do.....	R. C. A.
Intrepid.....	KDHJ	300,600.....	PG-X	W. S. Kilmer.....	
Invader.....	KDWR	300,600.....	PG-X	J. P. Jefferson.....	
Invincible.....	WCII	300,450,600.	PG-X	U. S. S. B.....	Do.
Iowan.....	WKJ	300,450,600, 706	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Ipswich.....	KILV	300,600.....	PG-X	Shawmut S. S. Co.....	Do.
Irages.....	KDYH	300,600.....	PG-X	International Petroleum Co.....	Owner of vessel.
Irene.....	KOKT	300,450,600.	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Iris.....	WOJ	300,450,600.	PG-X	Pacific Transport Co.....	R. C. A.
Iroquois.....	KUTQ	300,600.....	PG-X	Chicago & South Haven S. S. Co.....	Do.
Iroquois.....	KVF	300,450,600, 706	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Irvington.....	KOGQ	300,600.....	PG-N	U. S. S. B.....	
Isaac T. Mann.....	KOU	300,450,600.	PG-X	Pocahontas S. S. Co.....	R. C. A.
Isanti.....	WVEU	300,600.....	PG-X	U. S. S. B.....	
J. A. Bostwick.....	KIN	300,450,600.	PG-X	Standard Oil Co. of N. J.....	Do.
Jackson.....	KIKC	300,450,600.	PG-X	U. S. S. B.....	
Jacksonville.....	KOJG	300,450,600.	PG-X	Do.....	S. O. R. S.
Jacob Luckenbach.....	KDXE	300,600,1800.	PG-X	Luckenbach S. S. Co.....	Owner of vessel.
Jacob T. Kopp.....	KDVS	300,600.....	PG-X	American S. S. Co.....	S. O. R. S.
Jacona.....	WQUU	300,450,600.	PG-X	U. S. S. B.....	
Jacox.....	KEML	300,600.....	PG-X	Do.....	R. C. A.
Jadden.....	KORM	300,450,600.	PG-X	Do.....	S. O. R. S.
Jalapa.....	KDCW	300,600,1800.	PG-X	Do.....	R. C. A.
James B. Duke.....	KUSQ	300,600,1800.	PG-X	Garland S. S. Corp.....	Do.
James McGee.....	KTP	300 450,600.	PG-X	Standard Oil Co. of N. J.....	Do.
James MacNaughton.....	KFCN	300,600.....	PG-X	Wilson Transit Co.....	Do.
James Otis.....	KDCD	300,600,1800.	PG-X	U. S. S. B.....	
James P. Walsh.....	KDXW	300,600.....	PG-X	Pioneer S. S. Co.....	Do.
Jamestown.....	KOC	300,450,600.	PG-N	Old Dominion S. S. Co.....	Do.
J. A. Moffett.....	WRE	300,600.....	PG-X	Standard Oil Co. of Calif.....	Do.
J. A. Moffett, jr.....	KDTU	300,450,600.	PG-X	Standard Oil Co. of N. J.....	Do.
Janelew.....	KDFS	300,600,1800.	PG-X	U. S. S. B.....	S. O. R. S.
Japan Arrow.....	KDHO	300,450,600.	PG-N	Standard Transpn. Co.....	R. C. A.
Java Arrow.....	KDHQ	300,450,600.	PG-X	Do.....	Do.
J. C. Donnell.....	WJM	300,450,600.	PG-X	Atlantic Refining Co.....	Do.
Jean.....	KZJ	300,600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Jeanette Skinner.....	WQW	300,600.....	PG-X	U. S. S. B.....	
Jeff Davis.....	KDQF	300,600,1800.	PG-X	Do.....	S. O. R. S.
Jefferson.....	KOD	300,450,600.	PG-X	Old Dominion Transpn. Co.....	R. C. A.
Jefferson.....	WAJ	300,550,600.	PG-N	Alaska S. S. Co.....	S. O. R. S.
Jefferson County.....	KIKF	300,600....	PG-X	U. S. S. B.....	
Jekyl.....	KEBS	300,600....	PG-X	Do.....	
Jennie R. Morse.....	KUNN	300,450,600.	PG-X	Do.....	
J. E. O'Neil.....	KSB	300,600....	PG-X	Atlantic Refining Co.....	R. C. A.
Jeptha.....	KDFR	300,600....	PG-X	U. S. S. B.....	S. O. R. S.
J. Fletcher Farrell.....	KDHR	300,600....	PG-X	Sinclair Navigation Co.....	R. C. A.
J. F. Penrose.....	KUQN	300,450,600.	PG-X	National Oil Transport Co.....	I. W. T. Co.
Jim Sid.....	KUZD	300,600....	PG-X	Gulf Barge & Towing Co.....	
J. J. Sullivan.....	KDXV	300,600....	PG-X	Pioneer S. S. Co.....	R. C. A.
J. L. Luckenbach.....	KEXQ	300,600,450, 706	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
J. L. Reiss.....	KURJ	300,600....	PG-X	Reiss S. S. Co.....	R. C. A.
J. M. Danziger.....	WIW	300,450,600..	PG-X	Pan-American Pet. & Transport Co.....	Do.
J. M. Guffey.....	KTF	300,600....	PG-X	Gulf Refining Co.....	I. W. T. Co.
J. N. Pew.....	KDTP	300,600....	PG-X	Sun Oil Co.....	R. C. A.
Johanna Smith.....	WHZ	300,600....	PG-X	Pacific States Lumber Co.....	Owner of vessel.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
John Adams.....	KOSS	300, 600.....	PG-X	U. S. S. B.	
John A. Kling.....	KFEI	300, 600.....	PG-X	Rockport S. S. Co.	R. C. A.
John C. Kirkpatrick.....	KDQR	300, 600.....	PG-X	Andrew F. Mahony.....	
John D. Archbold.....	KDUM	300, 600.....	PG-X	Standard Oil Co. of N. J.	Do.
John D. Rockefeller.....	KTO	300, 450, 600..	PG-X	.....do.....	Do.
John Ena.....	KIRS	300, 600.....	PG-X	James Botts.....	Owner of vessel.
John Englis.....	KDDJ	300, 450, 600, 1800	PG-X	U. S. S. B.	
John F. Hylan.....	KUSM	300, 600.....	PR-X	City of New York, Police Department.	Do.
John Jay.....	KUXR	300, 600.....	PG-X	U. S. S. B.	
John J. Boland.....	KDWB	300, 600.....	PG-X	American S. S. Co.	Do.
John M. Connally.....	KJEI	300, 600.....	PG-X	U. S. S. B.	R. C. A.
John P. Reiss.....	KUTM	300, 600.....	PG-X	North American S. S. Co.	Do.
John R. Gibbons.....	KURL	300, 450, 600..	PG-X	American Bauxite Co.	
John Roach.....	KOSN	300, 600.....	PG-X	U. S. S. B.	
Johnson City.....	KIKD	300, 600.....	PG-X	.....do.....	
John Stanton.....	KDXT	300, 600.....	PG-X	Pioneer S. S. Co.	Do.
John Stevens.....	KDGM	300, 600, 1800	PG-X	U. S. S. B.	
John Tracy.....	WVOO	300, 600.....	PG-X	M. & J. Tracy.....	
John W. Wells.....	KOCR	300, 600.....	PG-X	Chas. R. McCormick & Co.	
John Worthington.....	KDMN	300, 450, 600..	PG-X	Standard Oil Co. of N. J.	Owner of vessel.
Jolee.....	KUVT	300, 450, 600, 706	PG-X	U. S. S. B.	R. C. A. Do.
Jomar.....	KUGT	300, 450, 600..	PG-X	.....do.....	Do.
Jonancy.....	KSEU	300, 450, 600..	PG-X	Pocahontas S. S. Co.	Do.
Joseph D. Wood.....	KFIH	300, 600, 706..	PG-X	Wood Towing Co.	Owner of vessel.
Joseph G. Butler, Jr.....	KDXU	300, 600.....	PG-X	Pioneer S. S. Co.	R. C. A.
Joseph M. Cudahy.....	KDMT	300, 600.....	PG-X	Sinclair Navigation Co.	Do.
Joseph R. Parrott.....	KJP	300, 450, 600..	PG-X	Florida East Coast Car Ferry Co.	Do.
Joseph Seep.....	KDJV	300, 450, 600..	PG-X	Standard Oil Co. of N. J.	Do.
Josiah Macy.....	KEK	300, 600.....	PG-X	.....do.....	Do.
J. R. Gordon.....	KOML	300, 450, 600..	PG-X	Union Sulphur Co.	S. O. R. S.
J. T. Hutchinson.....	KDXX	300, 600.....	PG-X	Pioneer S. S. Co.	R. C. A.
Julia Luckenbach.....	KGZ	300, 450, 600, 706	PG-X	Luckenbach S. S. Co.	S. O. R. S.
Juniata.....	KQJ	300, 450, 600, 706	PG-N	Merchants & Miners Transp. Co.	I. W. T. Co.
Juniata.....	WCB	300, 450, 600..	PG-N	Great Lakes Transit Corp.	R. C. A.
Juvigny.....	KUQX	300, 600.....	PG-X	Independent S. S. Co.	Do.
J. W. Van Dyke.....	KHR	300, 450, 600..	PG-X	Atlantic Refining Co.	Do.
Kaleen.....	KOKV	300, 600.....	PG-X	U. S. S. B.	
Kamesit.....	KEDG	300, 450, 600..	PG-X	.....do.....	L. W. T. Co.
Kanak.....	KOT	300, 600.....	PG-X	Alaska Packers Assn.	Owner of vessel.
Kanawha.....	KYA	300, 600.....	PG-X	Black Star Line.	Do.
Katherine.....	KIZK	300, 450, 600..	PG-X	Philippine Vegetable Oil Co.	R. C. A.
Katrina Luckenbach.....	KWU	300, 450, 600..	PG-X	Luckenbach S. S. Co.	S. O. R. S.
Kayseeka.....	KOQZ	300, 600.....	PG-X	U. S. S. B.	
Kearny.....	KOPR	300, 600.....	PG-N	.....do.....	
Kehuku.....	KUPV	300, 450, 600..	PG-X	.....do.....	
Keketticut.....	KZEA	300, 600.....	PG-X	.....do.....	
Kekoskee.....	KDGY	300, 450, 600..	PG-X	.....do.....	
Kennecott.....	KDPP	300, 450, 600..	PG-X	Alaska S. S. Co.	R. C. A.
Kenowis.....	KOSV	300, 450, 600..	PG-X	U. S. S. B.	United American Lines.
Kentuckian.....	WKE	300, 450, 600..	PG-X	American-Hawaiian S. S. Co.	R. C. A.
		706			United American Lines.
Kerhonkson.....	KUJF	300, 450, 600..	PG-X	U. S. S. B.	R. C. A.
Kermitt.....	WMV	300, 450, 600..	PG-X	American Ship & Commerce Nav. Corp.	United American Lines.
Kershaw.....	KQK	300, 450, 600..	PG-X	Merchants & Miners Transp. Co.	I. W. T. Co.
Keshena.....	KITR	300, 600.....	PG-X	U. S. S. B.	
Ketchikan.....	WAE	300, 600.....	PG-X	Alaska S. S. Co.	S. O. R. S.
Kewanee.....	KIVC	300, 450, 600..	PG-X	Associated Oil Co.	R. C. A.
K. I. Luckenbach.....	KHY	300, 450, 600..	PG-X	Luckenbach S. S. Corp.	S. O. R. S.
Kingfisher.....	KDNJ	300, 600.....	PG-X	Andrew Hudson	I. W. T. Co.
Kiowa.....	KDJP	300, 600.....	PG-X	Independent S. S. Co.	
Kiowa.....	KRL	300, 600.....	PG-X	Clyde S. S. Co.	
Kishacoquillas.....	KIFJ	300, 450, 600..	PG-X	U. S. S. B.	
		706			
Kisnops.....	KIJK	300, 450, 600..	PG-X	.....do.....	
Kittegau.....	KITG	300, 600.....	PG-X	.....do.....	
Knoxville.....	KIJN	300, 600.....	PG-X	.....do.....	
Knoxville City.....	KDUD	300, 450, 600..	PG-X	U. S. Steel Products Co.	R. C. A.
Kootenai.....	KOGF	300, 450, 600..	PG-X	U. S. S. B.	
Kosciuszko.....	KZUE	300, 600.....	PG-X	Polish-American Nav. Corp.	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
K. R. Kingsbury.	KDRE	300, 600.....	PG-X	Standard Oil Co. of Calif.....	R. C. A.
Kroonland.....	KSH	300, 450, 600..	PG-N	International Mercantile Marine Co.	I. W. T. Co.
Kuwa.....	WCEE	300, 600.....	PG-X	U. S. S. B.....	
Kvichak.....	WNS	300, 600.....	PG-X	Alaska Packers Assn.....	Owner of vessel.
Labette.....	KIZX	300, 450, 600..	PG-X	U. S. S. B.....	S. O. R. S.
La Brea.....	WON	300, 600, 1800..	PG-X	Union Oil Co.....	F. T. Co.
Lackwanna Bridge.	KOGC	300, 600.....	PG-X	U. S. S. B.....	
Lackawanna Valley.	KIXD	300, 450, 600..	PG-X	.....do.....	
La Crosse.....	KONM	300, 450, 600..	PG-X	.....do.....	I. W. T. Co.
Lafcimo.....	KIXK	300, 450, 600..	PG-X	.....do.....	Owner of vessel.
La Jota.....	KDXF	300, 450, 600..	P-X	W. W. Wilson.....	
Lake Agomak.....	KZEU	300, 450, 600..	PG-X	U. S. S. B.....	
Lake Akkra.....	KVUE	300, 450, 600..	PG-X	.....do.....	
Lake Allen.....	KLEI	300, 600.....	PG-X	.....do.....	
Lake Alvada.....	KXAA	300, 600.....	PG-X	.....do.....	
Lake Annette.....	KKOE	300, 450, 600..	PG-X	.....do.....	
Lake Arline.....	KZOE	300, 600.....	PG-X	.....do.....	
Lake Aurice.....	KZIA	300, 600.....	PG-X	.....do.....	
Lake Beacon.....	WTAA	300, 450, 600..	PG-X	.....do.....	
Lake Belmona.....	KZII	300, 600.....	PG-X	.....do.....	
Lake Benbow.....	KVAE	300, 600.....	PG-X	.....do.....	
Lake Benton.....	KSIU	300, 600.....	PG-X	.....do.....	
Lake Berdan.....	KZEE	300, 600.....	PG-X	.....do.....	
Lake Blanchester.....	KTIU	300, 600.....	PG-X	.....do.....	
Lake Bledsoe.....	KTUE	300, 600.....	PG-X	.....do.....	
Lake Buckeye.....	WSEU	300, 600.....	PG-X	.....do.....	
Lake Butler.....	WFN	300, 600.....	PG-N	.....do.....	
Lake Cahoon.....	WKEE	300, 600.....	PG-X	.....do.....	
Lake Calistoga.....	KXIU	300, 600.....	PG-X	.....do.....	
Lake Callicoon.....	WNAO	300, 450, 600..	PG-X	.....do.....	
Lake Canaveral.....	KIDS	300, 450, 600..	PG-X	.....do.....	S. O. R. S.
Lake Candelaria.....	KJJB	300, 600.....	PG-X	.....do.....	Do
Lake Cannonsburg.....	KIMV	300, 600.....	PG-X	.....do.....	
Lake Capens.....	KLUA	300, 600.....	PG-X	.....do.....	
Lake Cathcoo.....	WLEO	300, 600.....	PG-X	.....do.....	
Lake Catherine.....	KSHI	300, 450, 600..	PG-X	.....do.....	
Lake Cayuga.....	KLUI	300, 450, 600..	PG-X	Frank Paramino.....	
Lake Charles.....	KHW	300, 600.....	PG-X	U. S. S. B.....	
Lake Charlotte.....	KQEQ	300, 600.....	PG-X	.....do.....	
Lake Charlottesville.....	WNEA	300, 600.....	PG-X	.....do.....	
Lake Chelan.....	KQUO	300, 600.....	PG-X	.....do.....	
Lake Clear.....	KLEO	300, 600.....	PG-X	.....do.....	
Lake Como.....	KLIE	300, 600.....	PG-X	.....do.....	
Lake Conesus.....	KSAO	300, 600.....	PG-X	.....do.....	
Lake Copley.....	WKAU	300, 600.....	PG-X	.....do.....	
Lake Crescent.....	WAP	300, 600.....	PG-X	.....do.....	
Lake Crystal.....	KLAO	300, 600.....	PG-X	.....do.....	
Lake Dancey.....	KZEO	300, 600.....	PG-X	.....do.....	
Lake Daraga.....	KRIA	300, 600.....	PG-X	.....do.....	
Lake Delancey.....	KXAE	300, 450, 600..	PG-X	.....do.....	
Lake Desha.....	WTAE	300, 600.....	PG-X	.....do.....	
Lake Deval.....	WKEA	300, 600.....	PG-X	.....do.....	
Lake Duncan.....	KSOO	300, 600.....	PG-X	.....do.....	
Lake Dymer.....	KZEI	300, 600.....	PG-X	.....do.....	
Lake Eckhart.....	KSOE	300, 600.....	PG-X	.....do.....	
Lake Elk.....	KTAI	300, 600.....	PG-X	.....do.....	
Lake Elizabeth.....	WOP	300, 600.....	PG-X	.....do.....	
Lake Elkwater.....	KEPM	300, 600.....	PG-X	.....do.....	
Lake Elkwood.....	KENP	300, 600.....	PG-X	.....do.....	
Lake Ellendale.....	KEPN	300, 600.....	PG-X	.....do.....	
Lake Ellenorah.....	KEPP	300, 600.....	PG-X	.....do.....	
Lake Ellerslie.....	KEQM	300, 600.....	PG-X	.....do.....	
Lake Ellicott.....	KEQN	300, 600.....	PG-X	.....do.....	
Lake Ellijay.....	KOBL	300, 600.....	PG-X	.....do.....	
Lake Ellithorpe.....	KOFM	300, 600.....	PG-X	.....do.....	
Lake Ellsbury.....	KOFP	300, 450, 600..	PG-X	.....do.....	
Lake Ellsworth.....	KOCZ	300, 600.....	PG-X	.....do.....	
Lake Elundale.....	KOLR	300, 450, 600..	PG-X	.....do.....	
Lake Elmhurst.....	KOFQ	300, 600.....	PG-X	.....do.....	
Lake Elmont.....	KOQG	300, 450, 600..	PG-X	.....do.....	
Lake Elmsford.....	KOVG	300, 450, 600..	PG-X	.....do.....	
Lake Elmwood.....	KOZT	300, 450, 600..	PG-X	.....do.....	
Lake Elon.....	KOBZ	300, 450, 600..	PG-X	.....do.....	
Lake Elpueblo.....	KOFV	300, 600.....	PG-X	.....do.....	
Lake Elsa.....	KOSR	300, 450, 600..	PG-X	.....do.....	
Lake Elsinore.....	KRII	300, 600.....	PG-X	.....do.....	
Lake Elva.....	KUBR	300, 450, 600..	PG-X	.....do.....	
Lake Elwin.....	KUDM	300, 450, 600..	PG-X	.....do.....	R. C. A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Ennis.....	KLUO	300, 600.....	PG-X	U. S. S. B.	
Lake Fabius.....	KIPQ	300, 600.....	PG-X	do.	
Lake Fabyan.....	KINJ	300, 450, 600.....	PG-X	do.	
Lake Fagundus.....	KISN	300, 600.....	PG-X	do.	
Lake Fairfax.....	KIRV	300, 600.....	PG-X	do.	
Lake Fairlie.....	KISP	300, 450, 600.....	PG-X	do.	
Lake Fairport.....	KOGR	300, 450, 600.....	PG-X	do.	
Lake Falama.....	KITB	300, 600.....	PG-X	do.	
Lake Falun.....	KOTB	300, 600.....	PG-X	do.	I. W. T. Co.
Lake Fanbush.....	KEJN	300, 600.....	PG-X	do.	
Lake Fandango.....	KOVL	300, 600.....	PG-X	do.	
Lake Fandon.....	KOVS	300, 600.....	PG-X	do.	
Lake Fanquier.....	KEKN	300, 600.....	PG-X	do.	
Lake Fansdale.....	KEKM	300, 600.....	PG-X	do.	
Lake Farabee.....	KEPB	300, 600.....	PG-X	do.	
Lake Farber.....	KIRB	300, 600.....	PG-X	do.	
Lake Faresman.....	KEVZ	300, 600.....	PG-X	do.	
Lake Farge.....	WLEA	300, 600.....	PG-X	do.	
Lake Faribault.....	KEDM	300, 600.....	PG-X	do.	
Lake Faristell.....	WLEE	300, 450, 600.....	PG-X	do.	
Lake Farley.....	KEDP	300, 600.....	PG-X	do.	
Lake Farlin.....	KIGM	300, 600.....	PG-X	do.	
Lake Farmingdale.....	KIPZ	300, 600.....	PG-X	do.	
Lake Farragut.....	KIQN	300, 600.....	PG-X	do.	
Lake Farrar.....	KISX	300, 600.....	PG-X	do.	
Lake Faulk.....	KEJP	300, 600.....	PG-X	do.	
Lake Favonia.....	KOJP	300, 450, 600.....	PG-X	do.	
Lake Faxon.....	KOLJ	300, 600.....	PG-X	do.	
Lake Fear.....	KIVM	300, 600.....	PG-X	do.	
Lake Felden.....	KOLK	300, 450, 600.....	PG-X	do.	
Lake Fenn.....	KOTT	300, 600.....	PG-X	do.	
Lake Feodora.....	KUBT	300, 600.....	PG-X	do.	
Lake Fernalda.....	KOPB	300, 600.....	PG-X	do.	
Lake Fernando.....	KELM	300, 450, 600.....	PG-X	do.	
Lake Fernwood.....	KDEA	300, 600.....	PG-X	Richmond-New York S. S. Co.	
Lake Ferrona.....	KELN	300, 450, 600.....	PG-X	U. S. S. B.	
Lake Festina.....	KEQP	300, 450, 600.....	PG-X	do.	
Lake Festus.....	KERM	300, 600.....	PG-X	do.	
Lake Fibre.....	KERN	300, 600.....	PG-X	do.	
Lake Fielding.....	KERP	300, 600.....	PG-X	do.	
Lake Fife.....	KESM	300, 450, 600.....	PG-X	do.	I. W. T. Co.
Lake Figart.....	KESN	300, 600.....	PG-X	do.	
Lake Fighting.....	KESP	300, 600.....	PG-X	do.	
Lake Filbert.....	KONV	300, 450, 600, 700.....	PG-X	Alaska S. S. Co.	S. O. R. S. Owner of vessel.
Lake Fillion.....	KOPV	300, 600.....	PG-X	U. S. S. B.	
Lake Fiscus.....	KOCG	300, 600.....	PG-X	do.	
Lake Fitch.....	KOJQ	300, 600.....	PG-X	do.	
Lake Fithian.....	KOKZ	300, 600.....	PG-X	do.	
Lake Flag.....	KUMX	300, 450, 600.....	PG-X	do.	
Lake Flagon.....	KIXT	300, 600.....	PG-X	do.	
Lake Flagstaff.....	KIZM	300, 600.....	PG-X	do.	
Lake Flambeau.....	KIZN	300, 600.....	PG-X	do.	
Lake Flanders.....	KOGT	300, 600.....	PG-X	do.	
Lake Flatonia.....	KOGS	300, 600.....	PG-X	do.	
Lake Flattery.....	KOMC	300, 600.....	PG-X	do.	
Lake Floravista.....	KUFC	300, 450, 600.....	PG-X	do.	
Lake Florian.....	KUFD	300, 450, 600.....	PG-X	Lykes Bros. S. S. Co.	
Lake Floris.....	KUFP	300, 450, 600.....	PG-X	U. S. S. B.	
Lake Flovilla.....	KESK	300, 600.....	PG-X	do.	
Lake Flume.....	KMUU	300, 600.....	PG-X	do.	
Lake Flushing.....	KEBV	300, 600.....	PG-X	do.	
Lake Fluvanna.....	WLAA	300, 600.....	PG-X	do.	
Lake Flynnus.....	KECV	300, 600.....	PG-X	do.	
Lake Folcroft.....	KEKL	300, 600.....	PG-X	do.	
Lake Fonda.....	KEZC	300, 600.....	PG-X	do.	
Lake Fondulac.....	WSEE	300, 600.....	PG-X	do.	
Lake Fontana.....	KEZD	300, 600.....	PG-X	do.	
Lake Fontanet.....	KEZF	300, 600.....	PG-X	do.	
Lake Forkville.....	WLEI	300, 600.....	PG-X	do.	
Lake Forney.....	WBUU	300, 600.....	PG-X	New Hampshire S. S. Co.	
Lake Forsby.....	WCUA	300, 600.....	PG-X	U. S. S. B.	
Lake Fossil.....	WCUE	300, 600.....	PG-X	do.	R. C. A.
Lake Fo-toria.....	WPIO	300, 600.....	PG-X	do.	
Lake Fouche.....	WPIU	300, 600.....	PG-X	do.	
Lake Foxboro.....	KESB	300, 600.....	PG-X	do.	
Lake Foxcraft.....	KEGL	300, 600.....	PG-X	do.	
Lake Fraichur.....	KEJG	300, 600.....	PG-X	do.	
Lake Fraley.....	KEJJ	300, 600.....	PG-X	do.	
Lake Frances.....	KTAO	300, 450, 600.....	PG-X	Frank Paramino.	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lake Franconia.....	WCUO	300, 600.....	PG-X	U. S. S. B.....	
Lake Fray.....	WCUU	300, 600.....	PG-X	.....do.....	
Lake Fraze.....	WDUA	300, 450, 600.....	PG-X	.....do.....	
Lake Freeborn.....	WDUI	300, 600.....	PG-X	.....do.....	
Lake Freed.....	WDUO	300, 600.....	PG-X	.....do.....	
Lake Freeland.....	WDUU	300, 450, 600.....	PG-X	.....do.....	
Lake Freezeout.....	WFUA	300, 450, 600.....	PG-X	.....do.....	
Lake Frenchton.....	WFUE	300, 600.....	PG-X	.....do.....	
Lake Fresco.....	WNAU	300, 450, 600.....	PG-X	.....do.....	
Lake Friar.....	KEFN	300, 600.....	PG-X	.....do.....	
Lake Frio.....	KEFP	300, 600.....	PG-X	.....do.....	
Lake Frohna.....	KEGR	300, 450, 600.....	PG-X	.....do.....	
Lake Frolono.....	KEGN	300, 600.....	PG-X	.....do.....	
Lake Frugality.....	KEGP	300, 600.....	PG-X	.....do.....	
Lake Frumet.....	KIRJ	300, 600.....	PG-X	.....do.....	
Lake Fugard.....	WLEU	300, 450, 600.....	PG-X	.....do.....	
Lake Furley.....	WMAA	300, 600.....	PG-X	.....do.....	I. W. T. Co.
Lake Furlough.....	KEKP	300, 450, 600.....	PG-X	.....do.....	
Lake Furnas.....	KUTV	300, 600.....	PG-X	.....do.....	
Lake Gadsden.....	KITP	300, 600.....	PG-X	.....do.....	R. C. A.
Lake Gaither.....	KOJZ	300, 600.....	PG-X	.....do.....	
Lake Gakona.....	KVOU	300, 600.....	PG-X	.....do.....	
Lake Galata.....	KOJJ	300, 450, 600.....	PG-X	.....do.....	
Lake Galera.....	KXAI	300, 600.....	PG-X	.....do.....	
Lake Galewood.....	KOJX	300, 600.....	PG-X	.....do.....	
Lake Gallen.....	KOJT	300, 450, 600.....	PG-X	Philadelphia & Norfolk S. S. Co.	
Lake Ganado.....	KUMB	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Lake Gano.....	KDGR	300, 600.....	PG-X	.....do.....	
Lake Gardner.....	KXEO	300, 600.....	PG-X	.....do.....	
Lake Garza.....	KVOE	300, 600.....	PG-X	.....do.....	
Lake Gaspar.....	KVOI	300, 450, 600.....	PG-X	.....do.....	
Lake Gatun.....	KDKP	300, 600.....	PG-X	.....do.....	
Lake Gazette.....	KIPN	300, 600.....	PG-X	.....do.....	
Lake Gedney.....	KVUO	300, 450, 600.....	PG-X	.....do.....	
Lake Geneva.....	KXUA	300, 600.....	PG-X	.....do.....	
Lake George.....	KDIZ	300, 600.....	PG-X	James Davidson.....	
Lake Gert.....	KOMB	300, 600.....	PG-X	U. S. S. B.....	
Lake Getaway.....	KOLZ	300, 450, 600.....	PG-X	.....do.....	
Lake Geyser.....	KULD	300, 600.....	PG-X	.....do.....	
Lake Giddings.....	KUCR	300, 600.....	PG-X	.....do.....	
Lake Gilpen.....	KEZK	300, 600.....	PG-X	.....do.....	
Lake Gilta.....	KEZL	300, 600.....	PG-X	.....do.....	
Lake Giltedge.....	KEBM	300, 600.....	PG-X	.....do.....	
Lake Girardeau.....	KOCS	300, 600.....	PG-X	.....do.....	
Lake Girth.....	KEBN	300, 600.....	PG-X	.....do.....	
Lake Gitano.....	KECM	300, 600.....	PG-N	.....do.....	
Lake Glasco.....	KINK	300, 600.....	PG-X	.....do.....	
Lake Glaucus.....	KUMV	300, 600.....	PG-X	.....do.....	
Lake Glebe.....	KIBB	300, 600.....	PG-X	.....do.....	
Lake Glencoe.....	KIGB	300, 600.....	PG-X	.....do.....	
Lake Gorin.....	WRIE	300, 600.....	PG-X	.....do.....	
Lake Gormania.....	WVIA	300, 600.....	PG-X	.....do.....	
Lake Govan.....	WVIU	300, 600.....	PG-X	.....do.....	
Lake Gradan.....	WSUU	300, 600.....	PG-X	.....do.....	
Lake Grainger.....	KEJK	300, 600.....	PG-X	.....do.....	
Lake Gramma.....	KEJL	300, 450, 600.....	PG-X	.....do.....	
Lake Grampian.....	KEKG	300, 450, 600.....	PG-X	.....do.....	
Lake Grampus.....	KEKJ	300, 600.....	PG-X	.....do.....	
Lake Granby.....	KIDB	300, 600.....	PG-X	.....do.....	
Lake Grandon.....	WLAI	300, 600.....	PG-X	.....do.....	
Lake Gratis.....	WZOE	300, 600.....	PG-X	.....do.....	
Lake Grattan.....	WZOI	300, 600.....	PG-X	.....do.....	
Lake Gravella.....	WZOO	300, 450, 600.....	PG-X	.....do.....	
Lake Gravett.....	WZOU	300, 450, 600.....	PG-X	.....do.....	
Lake Gravity.....	WBUA	300, 600.....	PG-X	.....do.....	
Lake Greenbrier.....	WBUE	300, 600.....	PG-X	.....do.....	
Lake Gretna.....	WBUI	300, 600.....	PG-X	.....do.....	
Lake Grogan.....	WBUO	300, 600.....	PG-X	.....do.....	
Lake Gunn.....	KUNC	300, 450, 600.....	PG-X	Whitney-Central Trust Savings Bank.	
Lake Haresti.....	KUGN	300, 450, 600.....	PG-X	U. S. S. B.....	
Lake Harminia.....	KUNB	300, 600.....	PG-X	.....do.....	
Lake Harney.....	KGOE	300, 600.....	PG-X	International Coal Transpn. Corp.	
Lake Harris.....	KXAU	300, 450, 600.....	PG-X	U. S. S. B.....	
Lake Helen.....	KZOI	300, 600.....	PG-X	.....do.....	
Lake Hemlock.....	KLOE	300, 600.....	PG-X	.....do.....	
Lake Hewes.....	KVUU	300, 600.....	PG-X	.....do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by
Lakehurst.	KLOI	300, 600.....	PG-X	U. S. S. B.....	
Lake Ikatan.	KUCM	300, 450, 600.....	PG-X	do.....	
Lake Inaha.	KEFM	300, 450, 600.....	PG-X	do.....	
Lake Indian.	KZOO	300, 600.....	PG-X	do.....	
Lake Inglenook.	KOBT	300, 600.....	PG-X	do.....	S. O. R. S.
Lake Janet.	KFD	300, 600.....	PG-X	do.....	
Lake Jessup.	KHV	300, 600.....	PG-X	International Coal Transpn. Corp.	
Lake Kyttle.	WCOU	300, 600.....	PG-X	U. S. S. B.....	
Lakeland.	WDL	300, 600.....	PG-X	Tri-State S. S. Co.....	R. C. A.
Lake Larga.	KMUU	300, 450, 600.....	PG-X	U. S. S. B.....	
Lake Lasang.	KMUA	300, 600.....	PG-X	do.....	
Lake Ledan.	KTUA	300, 600.....	PG-X	do.....	
Lake Lemando.	WCIO	300, 600.....	PG-X	do.....	
Lake Lesa.	KXOU	300, 600.....	PG-X	do.....	
Lake Licoco.	WTAO	300, 600.....	PG-X	do.....	
Lake Lida.	KLOO	300, 450, 600.....	PG-X	do.....	
Lake Liliusun.	KZIO	300, 600.....	PG-X	do.....	
Lake Lillian.	KXUI	300, 600.....	PG-X	International Coal Transpn. Corp.	
Lake Linden.	KZAE	300, 600.....	PG-X	U. S. S. B.....	
Lake Louise.	KZUU	300, 600.....	PG-X	do.....	
Lake Marion.	KXEE	300, 600.....	PG-X	do.....	
Lake Markham.	KTOU	300, 600.....	PG-X	do.....	
Lake Mary.	KREO	300, 600.....	PG-X	do.....	
Lake Mattato.	WTAI	300, 600.....	PG-X	do.....	
Lake Maurepas.	KLEA	300, 600.....	PG-X	do.....	
Lake Medford.	KZOA	300, 450, 600.....	PG-X	do.....	
Lake Miraflores.	KDNR	300, 600.....	PG-X	do.....	
Lake Narka.	KTOA	300, 600.....	PG-X	do.....	
Lake Orden.	KHU	300, 600.....	PG-X	do.....	
Lake Onawa.	KOJM	300, 600.....	PG-X	do.....	
Lake Ontario.	KDIH	300, 600.....	PG-X	do.....	I. W. T. Co.
Lake Orange.	KZOU	300, 600.....	PG-X	do.....	
Lake Ormoc.	KVUA	300, 600.....	PG-X	do.....	
Lake Oswaya.	KVAA	300, 450, 600.....	PG-X	do.....	
Lake Otisco.	KLIA	300, 600.....	PG-X	International Coal Transpn. Corp.	
Lake Otsquago.	KXAO	300, 600.....	PG-X	U. S. S. B.....	
Lake Pachuta.	KTUU	300, 600.....	PG-X	do.....	
Lake Pearl.	KVIO	300, 450, 600.....	PG-X	do.....	
Lake Pewaukee.	KLEU	300, 600.....	PG-X	do.....	
Lake Pickaway.	WKAO	300, 600.....	PG-X	do.....	
Lake Pleasant.	KXEA	300, 600.....	PG-X	do.....	
Lake Saba.	KOS	300, 600.....	PG-X	do.....	
Lake Sanford.	KXEI	300, 600.....	PG-X	do.....	
Lake Sapor.	KEZB	300, 600.....	PG-X	do.....	
Lake Savus.	KOCB	300, 450, 600.....	PG-X	do.....	R. C. A.
Lake Sebago.	KLUE	300, 450, 600.....	PG-X	Pacific Spruce Corp.....	
Lake Shawano.	KLOU	300, 600.....	PG-X	U. S. S. B.....	
Lake Silver.	KHE	300, 600.....	PG-X	do.....	
Lake Singara.	KITQ	300, 600.....	PG-X	do.....	
Lake Slavi.	KOTJ	300, 450, 600.....	PG-X	Lyke Bros. S. S. Co.....	S. O. R. S.
Lake Strabo.	KEBR	300, 450, 600.....	PG-X	U. S. S. B.....	
Lake St. Clair.	WNL	300, 450, 600.....	PG-X	do.....	
Lake St. Regis.	KLEE	300, 600.....	PG-X	do.....	
Lake Superior.	KDIT	300, 600.....	PG-X	do.....	Do.
Lake Tippah.	KOVC	300, 600.....	PG-X	Philadelphia & Norfolk S. S. Co.....	I. W. T. Co.
Lake Traverse.	KDJD	300, 600.....	PG-X	U. S. S. B.....	
Lake Treba.	KOSQ	300, 600.....	PG-X	do.....	
Lake Tulare.	WDX	300, 600.....	PG-X	International Coal Transpn. Corp.	Do.
Lakeview.	KDIX	300, 600.....	PG-X	U. S. S. B.....	
Lakeville.	KXEU	300, 600.....	PG-X	do.....	
Lake Washburn.	KREI	300, 600.....	PG-X	do.....	
Lake Weir.	KDIW	300, 600.....	PG-X	do.....	
Lake Wilson.	KZAO	300, 600.....	PG-X	do.....	
Lake Wimico.	KSOI	300, 450, 600.....	PG-X	do.....	
Lake Winona.	KLAU	300, 600.....	PG-X	do.....	
Lake Winooski.	KZIE	300, 600.....	PG-X	do.....	
Lake Winthrop.	KZAI	300, 600.....	PG-X	do.....	
Lakewood.	KDJC	300, 600.....	PG-X	do.....	
Lake Yahara.	KZAU	300, 450, 600.....	PG-X	do.....	
Lake Yelverton.	KVOO	300, 600.....	PG-X	do.....	
Lake Yemassee.	KTOO	300, 600.....	PG-X	do.....	
Lake Ypsilanti.	WKEI	300, 600.....	PG-X	do.....	
Lake Zaliski.	WKAI	300, 600.....	PG-X	do.....	
Lampasas.	KEP	300, 450, 600.....	PG-N	Mallory S. S. Co.....	Do.
Lancaster.	KQUE	300, 450, 600.....	PG-X	Lancaster S. S. Corp.....	S. O. R. S.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Lansdowne.....	KONP	300, 600.....	PG-X	U. S. S. B.....	
Lansing.....	WTC	300, 600, 1800.....	PG-X	Union S. S. Co.....	F. T. Co.
La Placentia.....	KDPX	300, 600.....	PG-X	Union Oil Co.....	R. C. A.
La Purisima.....	KDVJ	300, 600, 1800.....	PG-X	.....do.....	F. T. Co.
Las Vegas.....	KUQM	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Latham.....	KUKR	300, 450, 600.....	PG-X	.....do.....	
Latouche.....	WAI	300, 450, 600.....	PG-X	Alaska S. S. Co.....	S. O. R. S.
Laurel.....	WTUE	300, 600.....	PG-N	U. S. S. B.....	
Lavada.....	KDFV	300, 450, 600.....	PG-X	.....do.....	
Lebec.....	KDTN	300, 450, 600, 1800.....	PG-X	General Petroleum Corp.....	I. W. T. Co.
Lehigh.....	KINM	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Lena Luckenbach.....	KDED	300, 450, 600.....	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Lenape.....	KVL	300, 600, 706.....	PG-N	Clyde S. S. Co.....	I. W. T. Co.
Leroy.....	KFGK	300, 450, 600.....	PG-X	Aiken Towboat & Barge Co.....	S. O. R. S.
Levant Arrow.....	KDVD	300, 450, 600.....	PG-X	Standard Transpn Co.....	R. C. A.
Leviathan.....	WSN	300, 600.....	PG-N	U. S. S. B.....	
Levi G. Burgess.....	WOX	300, 600.....	PG-X	Alaska Portland Packers Assn.....	Owner of vessel.
Levisa.....	KDL	300, 450, 600, 706.....	PG-X	United Fruit S. S. Corp.....	T. R. T. Co.
Lewis K. Thurlow.....	KXY	300, 600.....	PG-X	Crowell & Thurlow S. S. Co.....	Owner of vessel.
Lewis Luckenbach.....	WFOE	300, 450, 600, 706.....	PG-N	Luckenbach S. S. Co.....	S. O. R. S.
Lexington.....	KNB	300, 600.....	PG-X	Colonial Navigation Co.....	R. C. A.
Libby Maine.....	KDV	300, 450, 600.....	PG-X	Libby, McNeill & Libby.....	
Liberator.....	KDTA	300, 600.....	PG-X	Lybeck Ocean Harvester Co.....	
Liberator.....	KRIU	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Liberty.....	WCOO	300, 450, 600.....	PG-X	.....do.....	Do.
Liberty Bell.....	KUJX	300, 450, 600.....	PG-X	.....do.....	R. C. A.
Liberty Glo.....	KIQZ	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
Liberty Land.....	KISS	300, 450, 600.....	PG-X	.....do.....	
Liberty Minquas.....	KUBJ	300, 450, 600.....	PG-X	American Petroleum Co.....	R. C. A.
Liebre.....	KDPG	300, 600.....	PG-X	General Petroleum Co.....	Owner of vessel.
Lightburne.....	KIVF	300, 600.....	PG-X	Texas Co.....	I. W. T. Co.
Ligonier.....	KTD	300, 600.....	PG-X	Gulf Refining Co.....	Do.
Lillian.....	KUGZ	300, 450, 600.....	PG-X	A. H. Bull S. S. Co.....	Do.
Lillian Luckenbach.....	KNK	300, 450, 600.....	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Lilmae.....	KDHU	300, 450, 600.....	PG-X	U. S. Mex. Oil Corp.....	Do.
Limon.....	KDR	300, 450, 600, 706.....	PG-X	United Fruit S. S. Corp.....	T. R. T. Co.
Lio.....	KDSO	300, 600, 1800.....	PG-X	U. S. S. B.....	S. O. R. S.
Lithopolis.....	WQEA	300, 600.....	PG-X	.....do.....	
Livingston Roe.....	KDOD	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. A.
L. J. Drake.....	WZAA	300, 450, 600.....	PG-X	.....do.....	Do.
Lockport.....	KIXM	300, 600.....	PG-X	U. S. S. B.....	
Logan.....	KFDE	300, 600.....	PG-N	E. W. Winston.....	
Loki.....	KDGD	300, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Lolomi.....	KDWC	300, 600.....	PG-X	Rodman Wanamaker.....	Owner of vessel.
Lorain.....	KIFZ	300, 450, 600.....	PG-X	U. S. S. B.....	
Lordship Manor.....	KIXN	300, 600.....	PG-X	.....do.....	
Loretta.....	KUXF	300, 450, 600.....	PG-X	.....do.....	
Lorraine Cross.....	KDDE	300, 450, 600.....	PG-X	.....do.....	R. C. A.
Los Alamos.....	KRO	300, 600.....	PG-X	General Petroleum Co.....	
Los Angeles.....	WOL	300, 600, 1800.....	PG-X	Union Oil Co.....	F. T. Co.
Louisiana.....	KUL	300, 450, 600.....	PG-X	Texas Co.....	I. W. T. Co.
Louis R. Davidson.....	KDUH	300, 600.....	PG-X	American S. S. Co.....	
Louisville Bridge.....	KIDP	300, 600.....	PG-X	U. S. S. B.....	
Lubricco.....	KDUC	300, 450, 600, 1800.....	PG-X	Standard Oil Co. of Calif.....	
Luella.....	KLAA	300, 600.....	PG-X	U. S. S. B.....	
Lurline.....	WML	300, 450, 600.....	PG-N	Matson Navigation Co.....	R. C. A.
Luxpallie.....	KIPV	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Luzon.....	KDRU	300, 600.....	PG-X	Fernandez Hermanes.....	
Lycoming.....	KOMK	300, 600.....	PG-X	U. S. S. B.....	
Lydia.....	WROI	300, 450, 600.....	PG-X	Lydia S. S. Co.....	R. C. A.
Lyndonia.....	KULZ	300, 600.....	PG-X	C. H. K. Curtis.....	Do.
M. A. Bradley.....	WQH	300, 600.....	PG-X	Harvey H. Brown & Co.....	Do.
Macom.....	KIN	300, 450, 600, 706.....	PG-X	City of New York, Police Department.....	Owner of vessel.
Madison.....	KGT	300, 600, 706.....	PG-X	Archibald M. Ostrom.....	S. O. R. S.
Magmeric.....	KOJS	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Magunkook.....	WJUO	300, 600.....	PG-X	Moore Drydock Co.....	I. W. T. Co.
Mahukona.....	KENM	300, 450, 600, 706.....	PG-X	Matson Navigation Co.....	R. C. A.
Maiden Creek.....	KIPX	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Maine.....	KUQ	300, 450, 600.....	PG-X	Frank V. Barns.....	S. O. R. S.
Maitland No. 1.....	WLE	300, 600.....	PG-X	Toronto, Hamilton & Buffalo Nav. Co.	R. C. A.

## 32 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Major Wheeler.....	WFII	300, 450, 600, 706	PG-X	Baltimore S. S. Co.....	R. C. A.
Makaweli.....	WMAO	300, 600.....	PG-X	Matson Navigation Co.....	Do.
Makena.....	WMAI	300, 600.....	PG-X	do.....	Do.
Manatawny.....	KDFM	300, 600.....	PG-X	U. S. S. B.....	
Manatee.....	KURN	300, 450, 600.....	PG-X	do.....	
Manchuria.....	WWE	300, 450, 600, 706	PG-N	Atlantic Transport Co.....	I. W. T. Co.
Mangore.....	KHP	300, 450, 600, 706	PG-X	Guaranty Trust Co. of N. Y.....	R. C. A.
Manham.....	KORS	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Manhattan Island.....	WFOI	300, 450, 600.....	PG-X	do.....	R. C. A.
Manitou.....	WFW	300, 600.....	PG-X	Michigan Transpn. Co.....	Do.
Manitowoc.....	KRQ	300, 600.....	PG-X	Manitowoc S. S. Corp.....	I. W. T. Co.
Manoa.....	WMQ	300, 450, 600, 706	PG-N	Matson Navigation Co.....	R. C. A.
Manukai.....	KDSF	300, 450, 600.....	PG-N	do.....	Do.
Manulani.....	KDRQ	300, 450, 600.....	PG-N	do.....	Do.
Maquan.....	KOVD	300, 600, 1800.....	PG-X	U. S. S. B.....	S. O. R. S.
Maracaibo.....	KDM	300, 450, 600, 706	PG-N	Atantic & Caribbean Steam Nav. Co.....	R. C. A.
M. A. Reeb.....	KDUZ	300, 600.....	PG-X	American S. S. Co.....	Owner of vessel.
Margaret.....	KUQS	300, 600.....	PG-X	Red Salmon Canning Co.....	Do.
Margaret.....	KZO	300, 450, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Margaret Dollar.....	KDUV	300, 600, 706, 1800	PG-X	Dollar S. S. Line.....	Do.
Margus.....	KONG	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Marina.....	KIVD	300, 450, 600.....	PG-X	Bull-Insular S. S. Co.....	
Mariners Harbor.....	KKEU	300, 600.....	PG-X	U. S. S. B.....	
Marne.....	KEDJ	300, 450, 600.....	PG-X	do.....	
Marore.....	KDZO	300, 600.....	PG-X	Guaranty Trust Co. of N. Y.....	Do.
Marquette and Bessemer No. 2.	WEX	300, 600.....	PG-X	Marquette & Bessemer Dock & Nav. Co.....	Owner of vessel.
Marsdak.....	KOCM	300, 600.....	PG-X	U. S. S. B.....	
Martinique.....	KUQL	300, 450, 600.....	PG-X	Colombian S. S. Co.....	R. C. A.
Martin Mullen.....	KDXY	300, 600.....	PG-X	Pioneer S. S. Co.....	I. W. T. Co.
Maruba.....	WZEE	300, 600.....	PG-X	Inter-Coast S. S. Co.....	Do.
Mary.....	KTOE	300, 450, 600.....	PG-X	Bull-Insular S. S. Co.....	R. C. A.
Mary Luckenbach.....	KDLX	300, 450, 600.....	PG-X	Luckenbach Terminals (Inc.)	I. W. T. Co.
Mary Weems.....	WIEI	300, 600.....	PG-X	Baltimore & Carolina S. S. Co.	
Masca.....	KIBL	300, 600.....	PG-X	U. S. S. B.....	
Massick.....	KOPF	300, 450, 600.....	PG-X	do.....	
Massillon Bridge.....	KONJ	300, 450, 600.....	PG-X	do.....	
Masuda.....	KMII	300, 600.....	PG-X	do.....	
Matanzas.....	WFEU	300, 450, 600.....	PG-X	New York & Cuba Mail S. S. Co.	Do.
Matinicock.....	KID	300, 600.....	PG-X	Standard Oil Co. of N. J.	R. C. A.
Matsonia.....	WMP	300, 450, 600, 706	PG-N	Matson Navigation Co.	Do.
Mauban.....	KRAE	300, 600.....		Compania de Tabocas de Filipinas.	
Maud F.....	KDBK	300, 600.....	P-X	E. D. Burge.....	Owner of vessel.
Maui.....	WMR	300, 450, 600.....	PG-N	Matson Navigation Co.....	R. C. A.
Mazatlan.....	KUBQ	300, 450, 600.....	PG-X	California-Mexico S. S. Co.....	Do.
McCreary County.....	KOQP	300, 600.....	PG-X	U. S. S. B.....	
McKeesport.....	KEXB	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Meanticut.....	KDQH	300, 600, 1800.....	PG-X	do.....	S. O. R. S.
Medina.....	KEI	300, 450, 600.....	PG-X	Mallory S. S. Co.....	I. W. T. Co.
Melrose.....	KZW	300, 450, 600.....	PG-X	New England Fuel & Transpn Co.....	R. C. A.
Melville Dollar.....	KDXI	300, 450, 600.....	PG-X	Dollar S. S. Line.....	Do.
Memnon.....	KDMH	300, 600, 1800.....	PG-X	U. S. S. B.....	S. O. R. S.
Memphis City.....	KDTR	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	R. C. A.
Menominee.....	KODL	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Mercer.....	KEPF	300, 450, 600.....	PG-X	do.....	Do.
Mercer Victory.....	KIVG	300, 600.....	PG-X	do.....	
Merida.....	KFEN	300, 600.....	PG-X	Atlantic & Caribbean Steam Nav. Co.....	Owner of vessel.
Meriden.....	KILP	300, 600.....	PG-X	E. K. Wood Lumber Co.....	
Merrimack.....	KQM	300, 450, 600.....	PG-N	Merchants & Miners Transpn Co.....	I. W. T. Co.
Merry Mount.....	KOGX	300, 450, 600.....	PG-X	U. S. S. B.....	
Metapan.....	KLF	300, 600, 706, 1800	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Meteor.....	KDYJ	300, 600, 706.....	PG-X	Meteor S. S. Co.....	R. C. A.
Meton.....	KDBM	300, 450, 600, 1800	PG-X	U. S. S. B.....	
Mevania.....	KDCU	300, 600, 706, 1800	PG-X	Malston Co.....	I. W. T. Co.
Mexican.....	WKL	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.	United American Lines.
Mexicano.....	KGM	300, 450, 600.....	PG-X	Pierce Oil Corp.....	R. C. A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Mexico.....	KWX	300, 450, 600, 706	PG-N	New York & Cuba Mail S. S. Co.	I. W. T. Co.
M. F. Elliott.....	KDNK	300, 600.....	PG-X	Standard Oil Co.....	R. C. A.
Miami.....	KOZ	300, 600.....	PG-N	Peninsular & Occidental S. S. Co.	Do.
Michael Tracy.....	WMEE	300, 600.....	PG-X	M. & J. Tracy.....	
Middlebury.....	KZAA	300, 600.....	PG-X	U. S. S. B.....	
Middlesex.....	WRO	300, 450, 600.....	PG-X	Coastwise Transpn. Co.....	
Miller County.....	KERX	300, 600, 706,	PG-X	Sun Shipbuilding & D. D. Co.	Do.
Milinocket.....	KNM	300, 450, 600, 706	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Milwaukee.....	KEKS	300, 600.....	PG-X	Grand Trunk Car Ferry Line.	
Milwaukee Bridge.....	KIBF	300, 600.....	PG-X	U. S. S. B.....	
Mindoro (revenue cutter).....	KDRS	300, 600.....		Philippine Insular Govern- ment.	
Mineola.....	KSEE	300, 450, 600.....	PG-X	Grace S. S. Co.....	R. C. A.
Minnekahta.....	KDKK	300, 450, 600, 706, 1800	PG-N	Atlantic Transport Co.....	I. W. T. Co.
Minnequa.....	KIVB	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Minnesota.....	WEK	300, 600.....	PG-X	do.....	
Minnesota.....	WMI	300, 450, 600.....	PG-N	Atlantic Transport Co.	United American Lines.
Minnesotan.....	WKM	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.	R. C. A.
Minnewawa.....	KOPG	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Minooka.....	KOZN	300, 450, 600.....	PG-X	do.....	R. C. A.
Miskianza.....	KOZM	300, 450, 600.....	PG-X	do.....	United American Lines.
Missouri.....	WFX	300, 600.....	PG-N	Michigan Transpn. Co.	R. C. A.
Missourian.....	KFAA	300, 600.....	PG-X	American-Hawaiian S. S. Co.	Owner of vessel.
Mitchell.....	KOTF	300, 600.....	PG-X	U. S. S. B.....	R. C. A.
M. J. Scanlon.....	WJAO	300, 450, 600.....	PG-X	do.....	
M. M. Davis.....	KDAG	300, 450, 600.....	PR-X	C. E. Davis Packing Co.	
Mobile City.....	KDC	300, 450, 600, 706	PG-X	U. S. Steel Products Co.	
Moffitt.....	KDME	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Mohawk.....	KVM	300, 450, 600, 706	PG-N	Clyde S. S. Co.....	
Mohawk.....	KXE	300, 600.....	PG-X	New England S. S. Co.	
Mohawk.....	KYU	300, 600.....	P-X	Ralph E. Barry.....	Do.
Mohegan.....	KXM	300, 450, 600.....	PG-X	New England S. S. Co.	Owner of vessel.
Mohinkis.....	KUKP	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Mojave.....	KDSH	300, 600, 1800	PG-X	Genera Petroleum Corp.	Do.
Moline.....	KEVN	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Momus.....	KKM	300, 600, 706,	PG-N	Southern Pacific Co.	
Monana.....	KFEQ	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Monasses.....	KILX	300, 600.....	PG-X	do.....	Do.
Mongolia.....	WWN	300, 600, 706	PG-N	Atlantic Transport Co.	
Monmouth.....	WXUO	300, 450, 600.....	PG-X	U. S. S. B.....	
Monomac.....	KORP	300, 450, 600.....	PG-X	do.....	
Monroe.....	KOSF	300, 600.....	PG-N	do.....	
Montague.....	KOMV	300, 450, 600.....	PG-X	do.....	
Montana.....	KOJF	300, 600.....	PG-X	Atlantic Transport Co.	Do.
Montauk.....	KIXV	300, 450, 600.....	PG-X	do.....	Do.
Montclair.....	KVII	300, 600.....	PG-N	U. S. S. B.....	
Montebello.....	KDPR	300, 600.....	PG-X	Union Oil Co.	R. C. A.
Monterey.....	KWY	300, 450, 600.....	PG-N	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Montfaucon.....	KUQZ	300, 600.....	PG-X	Independent S. S. Co.	
Montgomery.....	KIJP	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Montgomery City.....	KDJZ	300, 450, 600.....	PG-X	U. S. Steel Products Co.	United American Lines.
Monticello.....	WLJ	300, 450, 600.....	PG-X	American Ship & Commerce Nav. Corp.	R. C. A.
Montpelier.....	WLZ	300, 600.....	PG-X	do.....	Do.
Moonlite.....	KPL	300, 450, 600.....	PG-X	Pacific S. S. Co.	R. C. A.
Moosehausic.....	KOGD	300, 600.....	PG-X	U. S. S. B.....	
Mooseatauk.....	KOKG	300, 600.....	PG-X	do.....	
Moravia Bridge.....	KOZG	300, 450, 600.....	PG-X	do.....	
Morristown.....	WGAI	300, 450, 600.....	PG-X	do.....	
Morro Castle.....	KWC	300, 600.....	PG-N	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Mosella.....	KDCQ	300, 600, 1800	PG-X	U. S. S. B.....	S. O. R. S.
Moshico.....	KOBX	300, 600.....	PG-X	do.....	
Mount Baker.....	KYD	300, 600.....	PG-X	Red Salmon Canning Co.	
Mount Carroll.....	KDQT	300, 450, 600, 706, 1800	PG-N	Shawmut S. S. Co.	United American Lines.
Mount Clay.....	KDBX	300, 450, 600, 706, 1800	PG-X	American Ship & Commerce Nav. Corp.	Do.
Mount Clinton.....	KDRV	300, 450, 600, 706, 1800	PG-N	Shawmut S. S. Co.	Do.
Mount Evans.....	KIMT	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.

## 34 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Mount Hope.....	KOL	300, 600.....	PG-X	Providence, Fall River & Newport Steamboat Co.	Owner of vessel.
Mount Shasta.....	WHH	300, 450, 600.....	PG-X	U. S. S. B.	
Mount Vernon.....	KDCZ	300, 600.....	PG-N	do.....	
Mt. Vernon Bridge.....	KWA	300, 600.....	PG-X	do.....	
Mulpua.....	KIDJ	300, 600.....	PG-X	do.....	
Multnomah.....	WMA	300, 600.....	PG-N	Chas. R. McCormick S. S. Co.	Do.
Munaires.....	WJN	300, 450, 600, 706	PG-X	Munson S. S. Lines.....	R. C. A.
Munalbro.....	KUX	300, 450, 600, 706	PG-X	Munalbro S. S. Corp.....	Do.
Munamar.....	KUI	300, 600, 1800	PG-N	Munamar S. S. Corp.....	I. W. T. Co.
Munargo.....	KDWH	300, 450, 600, 706, 1800	PG-N	Munargo S. S. Corp.....	
Muncove.....	KEMN	300, 450, 600.....	PG-X	Munson S. S. Line.....	R. C. A.
Mundale.....	KUJ	300, 600.....	PG-X	Mundale S. S. Corp.....	Do.
Mundelta.....	KUF	300, 450, 600.....	PG-X	Mundelta S. S. Corp.....	Do.
Munindies.....	KVE	300, 450, 600.....	PG-X	Munson S. S. Co.....	Do.
Munisla.....	KJO	300, 600.....	PG-X	Munisia S. S. Corp.....	Do.
Munmotor.....	WVOI	300, 450, 600, 706	PG-X	Munson S. S. Line.....	Do.
Munplace.....	KUG	300, 450, 600.....	PG-X	Munplace S. S. Corp.....	Do.
Munrio.....	KVD	300, 450, 600, 706	PG-X	Munson S. S. Co.....	
Munsomo.....	KUK	300, 450, 600.....	PG-X	Munsomo S. S. Corp.....	Do.
Munwood.....	KUH	300, 450, 600.....	PG-X	Munson S. S. Co.....	Do.
Muriel.....	KDMO	300, 600.....	PG-X	Muriel Motorship Corp.....	S. O. R. S.
Mursa.....	KDFT	300, 600.....	PG-N	U. S. S. B.....	I. W. T. Co.
Muscatine.....	KJII	300, 600.....	PG-N	do.....	R. C. A.
Muskegon.....	KDGP	300, 600.....	PG-X	Muskegon S. S. Corp.....	United American Lines.
Muskogee.....	KIB	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.	
Mystic.....	KHZ	300, 450, 600.....	PG-X	Shawmut S. S. Co.....	
Nacata.....	KDMM	300, 600, 1800	PG-X	U. S. S. B.	R. C. A.
Nacoochee.....	KFP	300, 450, 600.....	PG-X	Ocean S. S. Co.....	Do.
Naiwa.....	WCIU	300, 450, 600.....	PG-X	U. S. S. B.	S. O. R. S.
Namasket.....	KDMI	300, 600.....	PG-X	do.....	
Nameaug.....	KITN	300, 600.....	PG-X	do.....	
Nancy Weems.....	WVAI	300, 600.....	PG-X	Baltimore & Carolina S. S. Co.	
Nanking.....	KKEE	300, 450, 600.....	PG-N	China Mail S. S. Co.....	
Nansemond.....	WQQR	300, 450, 600.....	PG-N	U. S. S. B.	
Nantahala.....	WGIE	300, 600.....	PG-N	do.....	
Nantasket.....	WLIO	300, 450, 600.....	PG-X	do.....	
Nantucket.....	KQN	300, 450, 600, 706	PG-N	Merchants & Miners' Transpn. Co.	I. W. T. Co.
Narbo.....	KDIG	300, 600, 1800	PG-X	U. S. S. B.	S. O. R. S.
Narcissus.....	KDIH	300, 450, 600, 1800	PG-X	do.....	Do.
Narwhal.....	KDVP	300, 600.....	PG-X	Philip Shore.....	Owner of vessel.
Nashaba.....	KDSM	300, 600, 1800	PG-X	U. S. S. B.	S. O. R. S.
National Bridge.....	KIBG	300, 450, 600.....	PG-X	do.....	Do.
Natirar.....	KDKM	300, 450, 600, 1800	PG-X	do.....	
Naugus.....	KUPS	300, 450, 600.....	PG-X	do.....	
Nebraskan.....	KXT	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.	United American Lines.
Nedeva II.....	KDTL	300, 600.....	PG-X	J. F. Lowcock.....	R. C. A.
Nelson.....	KNL	300, 450, 600.....	PG-X	Cuba Distilling Co.....	
Nemaha.....	KUSR	300, 600.....	PG-X	U. S. S. B.	
Nepenthe II.....	KFBT	300, 600.....	PG-X	Van Campen Heilner.....	
Neponset.....	WQIO	300, 450, 600.....	PG-X	U. S. S. B.	
Neptune.....	KUN	300, 600.....	PG-X	Neptune Line.....	
Nesco.....	KEBT	300, 600.....	PG-X	U. S. S. B.	
Neshaminy.....	KILN	300, 600.....	PG-N	do.....	
Neshobee.....	KUNK	300, 450, 600.....	PG-X	do.....	
Neuse.....	WLT	300, 450, 600.....	PG-N	do.....	
Nevadan.....	WFF	300, 450, 600.....	PG-X	American-Hawaiian S. S. Co.	United American Lines.
New Britain.....	KIRG	300, 450, 600.....	PG-X	Great Northwestern Shipping Corp.....	R. C. A.
Newburgh.....	WZUE	300, 600.....	PG-X	U. S. S. B.	
New England.....	KUCB	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
New Hampshire.....	KXF	300, 600.....	PG-X	New England S. S. Co.	Do.
New Haven.....	KXN	300, 600.....	PG-X	do.....	
New Jersey.....	KDWD	300, 450, 600.....	PG-X	Texas Co.....	F. T. Co.
New Orleans.....	KDFB	300, 450, 600.....	PG-X	U. S. S. B.	R. C. A.
Newport.....	WWH	300, 600.....	PG-N	Pacific Mail S. S. Co.	
Newton.....	KZX	300, 450, 600.....	PG-X	New England Fuel & Transpn. Co.	
New Windsor.....	KGAE	300, 600.....	PG-X	U. S. S. B.	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
New York.....	KUW	300, 450, 600...	PG-X	Texas Co.....	I. W. T. Co.
Niagara.....	KFEE	300, 600.....	PG-X	American S. S. Co.....	Owner of vessel.
Nile.....	KOSD	300, 450, 600...	PG-X	U. S. S. B.....	
Nipmuc.....	KOQX	300, 600.....	PG-N	do.....	
Nipsic.....	KDJJ	300, 600.....		Madrigal & Co.....	
Nishmaha.....	KEVM	300, 450, 600...	PG-X	U. S. S. B.....	I. W. T. Co.
Nobles.....	KODB	300, 450, 600...	PG-X	do.....	Do.
Nocalulua.....	KORF	300, 450, 600...	PG-N	do.....	
Nockum.....	KOGJ	300, 600.....	PG-X	do.....	
Noddle Island.....	KUKK	300, 450, 600...	PG-X	do.....	
Nokatay.....	KOCF	300, 600.....	PG-X	do.....	
Noma.....	KYQ	300, 450, 600...	PG-X	Rodman Wanamaker	
Nonantum.....	KLXP	300, 600.....	PG-X	U. S. S. B.....	
Nora.....	KDGZ	300, 450, 600...	PG-X	Grace S. S. Co.....	R. C. A.
Norfolk.....	WZUA	300, 450, 600...	PG-X	Coastwise Transp. Corp.....	Do.
Norlina.....	KJE	300, 450, 600...	PG-X	Garland S. S. Corp.....	Do.
Norma.....	KEKC	300, 450, 600...	PG-X	Norma S. S. Corp.....	I. W. T. Co.
Norman Bridge.....	WIG	300, 450, 600...	PG-X	Pan-American Pet. & Transport Co.	R. C. A.
North American.....	WEN	300, 600.....	PG-N	Chicago, Duluth & Georgian Bay S. S. Co.....	Do.
Northern Star.....	KOKC	300, 450, 600...	PG-X	American Star Line.....	Do.
North King.....	KFEW	300, 450, 600...	PG-X	Alaska-Portland Packers Assn.....	Owner of vessel.
North Land.....	KJD	300, 600, 706...	PG-N	Eastern S. S. Lines.....	R. C. A.
Northland.....	WGJ	300, 450, 600...	PG-X	Atlas S. S. Co.....	S. O. R. S.
North Pines.....	WZEU	300, 600.....	PG-X	North Pines S. S. Co.....	
North Pole.....	KELB	300, 600.....	PG-N	U. S. S. B.....	
Northwestern.....	WAN	300, 600, 706...	PG-N	Alaska S. S. Co.....	
North western Bridge.....	KONK	300, 600.....	PG-X	U. S. S. B.....	Do.
North Wind.....	KYB	300, 600.....	P-X	A. C. Burton.....	Owner of vessel.
Norumbega.....	KOZX	300, 450, 600...	PG-N	U. S. S. B.....	
Norwood.....	WSG	300, 450, 600...	PG-X	Pacific-American Fisheries.....	S. O. R. S.
Nourmahal.....	KDTI	300, 600.....	PG-X	Vincent Astor.....	R. C. A.
Nueces.....	KEH	300, 600.....	PG-X	Mallory S. S. Co.....	I. W. T. Co.
Nushagak.....	WNE	300, 600.....	PG-X	Alaska Packers Assn.....	Owner of vessel.
O. A. Hermanson.....	WRA	300, 600.....	PG-X	Sunset Fuel Oil Co.....	
Oakland.....	KMOO	300, 600.....	PG-N	U. S. S. B.....	
Occidental.....	KUSJ	300, 600.....	PG-X	Texas S. S. Co.....	I. W. T. Co.
Octorara.....	WCD	300, 450, 600...	PG-N	Great Lakes Transit Corp.....	R. C. A.
Oduna.....	KDID	300, 600, 1800...	PG-X	Alaska S. S. Co.....	S. O. R. S.
Ogontz.....	KINB	300, 450, 600...	PG-X	U. S. S. B.....	I. W. T. Co.
Ohio.....	KFCG	300, 450, 600...	PG-X	E. W. Scripps.....	R. C. A.
Ohioan.....	WKQ	300, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Ohonkara.....	KURV	300, 600.....	PG-X	Carl Tucker.....	Owner of vessel.
Oklahoma City.....	KUML	300, 450, 600...	PG-X	U. S. S. B.....	
Oldham.....	KDQG	300, 450, 600...	PG-X	do.....	R. C. A.
Olen.....	KINR	300, 450, 600, 706	PG-X	do.....	
Oleum.....	WTD	300, 600, 1800...	PG-X	Union Oil Co.....	F. T. Co.
Olympic.....	KDIV	300, 600.....	PG-X	E. K. Wood Lumber Co.....	R. C. A.
Oneida.....	KDJO	300, 600.....	PG-X	Independent S. S. Co.....	Owner of vessel.
Oneida.....	KYP	300, 450, 600...	P-X	International Film Service Co.....	
Oneida.....	KEZJ	300, 450, 600...	PG-X	Clyde S. S. Co.....	I. W. T. Co.
Onekama.....	KEDK	300, 600.....	PG-X	U. S. S. B.....	
Oneonta.....	WPX	300, 450, 600...	PG-X	Port of Portland, Oreg.....	Owner of vessel.
Onondaga.....	KDJR	300, 600.....	PG-X	Independent S. S. Co.....	
Ontario.....	KQO	300, 450, 600, 706	PG-N	Merchants & Miners Transp. Co.....	I. W. T. Co.
Opelika.....	KECL	300, 450, 600...	PG-X	U. S. S. B.....	
Opequon.....	KIBK	300, 600.....	PG-X	do.....	R. C. A.
Ophis.....	KODZ	300, 450, 600...	PG-X	do.....	
Orani.....	KOBD	300, 600.....	PG-X	do.....	
Oreus.....	KISC	300, 450, 600...	PG-X	do.....	Do.
Oregon.....	WGD	300, 600.....	PG-X	Alaska-Pacific Nav. Co.....	
Oregonian.....	WKO	300, 450, 600, 706	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Orient.....	KOLC	300, 450, 600...	PG-X	Orient S. S. Corp.....	R. C. A.
Orinoco.....	KIMX	300, 450, 600...	PG-X	Orinoco S. S. Co.....	Do.
Orion.....	WLO	300, 450, 600...	PG-N	U. S. S. B.....	I. W. T. Co.
Orizaba.....	KMFI	300, 450, 600, 1800	PG-N	New York & Cuba Mail S. S. Co.....	
Orleans.....	KIDZ	300, 450, 600...	PG-X	Orleans S. S. Corp.....	R. C. A.
Ormidale.....	WGB	300, 600.....	PG-X	Ormidale S. S. Corp.....	I. W. T. Co.
Oronoke.....	KUNL	300, 600.....	PG-X	U. S. S. B.....	
Osage.....	KECN	300, 450, 600...	PG-X	Clyde S. S. Co.....	
Osaquimnick.....	KEVN	300, 600.....	PG-X	U. S. S. B.....	Do.
Osawatomie.....	KEVB	300, 600.....	PG-X	do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Oscar D. Bennett..	WIV	300, 450, 600..	PG-X	Pan-American Pet. & Transp. Co.	R. C. A.
Oscoda.....	KEKT	300, 600.....	PG-X	U. S. S. B.....	
Oshkosh.....	WFUU	300, 600.....	PG-X	.....do.....	
Oskaloosa.....	WJII	300, 600.....	PG-X	.....do.....	
Oskawa.....	WGUA	300, 600.....	PG-N	.....do.....	
Ossa.....	KUFZ	300, 450, 600..	PG-X	.....do.....	S. O. R. S.
Ossineke.....	WTW	300, 600.....	PG-N	.....do.....	
Ossining.....	KEFR	300, 450, 600..	PG-X	.....do.....	R. C. A.
Oswego.....	KRK	300, 450, 600..	PG-X	Union Petroleum S. S. Co.	Do.
Otbo.....	KULX	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Otsego.....	WDG	300, 450, 600, 1800	PG-N	.....do.....	
Otto M. Reiss.....	WNG	300, 600.....	PG-X	Reiss S. S. Co.....	Do.
O. T. Waring.....	KJW	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	Do.
Outgamie.....	KULS	300, 600.....	PG-X	Standard Oil Co. of Ind.....	
Overbrook.....	KLAE	300, 600.....	PG-X	U. S. S. B.....	
Owego.....	KFQ	300, 450, 600..	PG-X	S. F. Cottle.....	
Ozama.....	WRX	300, 600.....	PG-X	New York & Porto Rico S. S. Co.	Owner of vessel.
Ozaukee.....	WXAA	300, 600.....	PG-N	U. S. S. B.....	
Ozette.....	KEVP	300, 450, 600..	PG-X	.....do.....	
Pachet.....	KDCH	300, 600.....	PG-N	.....do.....	
Pacific.....	KDZV	300, 600, 706..	PG-X	Argonaut S. S. Co.....	R. C. A.
Padnay.....	KUQG	300, 600.....	PG-X	U. S. S. B.....	
Pagasset.....	KDHG	300, 600.....	PG-N	.....do.....	
Pallsades.....	KOLV	300, 600.....	PG-N	.....do.....	
Pallas.....	KUTJ	300, 450, 600..	PG-X	.....do.....	
Palo Alto.....	KDCT	300, 450, 600..	PG-X	.....do.....	
Panama.....	KMH	300, 450, 600, 706	PG-N	Panama R. R. Co.....	Owner of vessel.
Panaman.....	WKR	300, 450, 600..	PG-X	American-Hawaiian S. S. Co.	United American Lines.
Pan America.....	KDWZ	300, 600, 706, 1800	PG-N	U. S. S. B.....	S. O. R. S.
Pan American.....	KUT	300, 450, 600..	PG-X	Texas S. S. Co.....	R. C. A.
Panay.....	KEMJ	300, 450, 600..	PG-N	Madrigal & Co.....	
Panola.....	WMUO	300, 450, 600..	PG-X	U. S. S. B.....	
Pansa.....	KUZN	300, 600.....	PG-X	.....do.....	
Panuco.....	KMM	300, 450, 600..	PG-X	Sinclair Nav. Co.....	Do.
Panuco.....	KWM	300, 450, 600..	PG-X	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Paraguay.....	KTT	300, 600.....	PG-X	Sun Oil Co.....	R. C. A.
Paria.....	KOKQ	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Parismina.....	KDG	300, 600.....	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Parksville.....	KIZG	300, 450, 600..	PG-X	U. S. S. B.....	
Pasadena.....	KMEU	300, 600.....	PG-X	.....do.....	
Passale Bridge.....	KIBJ	300, 600.....	PG-X	.....do.....	
Pastores.....	KLA	300, 600.....	PG-N	United Fruit S. S. Corp.....	Do.
Patrick Henry.....	KUPM	300, 450, 600..	PG-X	U. S. S. B.....	R. C. A.
Paul H. Harwood.....	KJIO	300, 450, 600..	PG-X	Pan-American Pet. & Transp. Co.	
Paul Luckenbach.....	WLY	300, 450, 600..	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Paulsboro.....	KRS	300, 450, 600..	PG-X	Vacuum Oil Co.....	R. C. A.
Paul Shoup.....	KDTE	300, 600.....	PG-X	Union Oil Co.....	Do.
Pawlet.....	KUBL	300, 600.....	PG-X	U. S. S. B.....	Do.
Pawtucket.....	KINZ	300, 450, 600..	PG-X	.....do.....	
Peacock.....	KDKY	300, 600.....	PG-X	.....do.....	
Pearlton.....	KDLC	300, 450, 600..	PG-X	Atlantic Refining Co.....	S. O. R. S.
Pearl Shell.....	WIC	300, 450, 600, 706	PG-X	Pearl Shell S. S. Co.....	R. C. A.
Peconic.....	KDAF	300, 450, 600..	PR-X	C. E. Davis Packing Co.....	Owner of vessel.
Peekskill.....	KOMX	300, 600.....	PG-X	U. S. S. B.....	
Pennant.....	KME	300, 450, 600..	PG-X	Pierce Oil Corp.....	I. W. T. Co.
Pennsylvania.....	KUP	300, 600.....	PG-X	Texas S. S. Co.....	United American Lines.
Pennsylvanian.....	WKP	300, 450, 600, 706	PG-X	American-Hawaiian S. S. Co.	R. C. A.
Pennsylvania Sun.....	KFFC	300, 600.....	PG-X	Sun Oil Co.....	
Penobscot.....	WXOI	300, 600, 706..	PG-X	Penobscot S. S. Co.....	R. C. A.
Pequonock.....	KXP	300, 450, 600..	PG-X	New England S. S. Co.....	Do.
Peralta.....	KDMJ	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Pere Marquette 8.....	KINL	300, 600.....	PG-X	Pere Marquette R. R. Co.....	R. C. A.
Pere Marquette 17.....	WDA	300, 600.....	PG-X	.....do.....	Do.
Pere Marquette 18.....	WDC	300, 600.....	PG-X	.....do.....	Do.
Pere Marquette 19.....	WDD	300, 600.....	PG-X	.....do.....	Do.
Pere Marquette 20.....	WDB	300, 600.....	PG-X	.....do.....	Do.
Perfection.....	WDE	300, 600.....	PG-X	.....do.....	Do.
Persian.....	KTN	300, 450, 600..	PG-X	Standard Transpn. Co.....	Do.
Peter H. Crowell.....	KQX	300, 450, 600, 706	PG-N	Merchants & Miners Transpn. Co.	I. W. T. Co.
Peter H. Crowell.....	KEXT	300, 450, 600..	PG-X	Crowell & Thurlow S. S. Co.	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Peter Kerr.....	KUZT	300, 450, 600,	PG-X	Columbia Pacific Shipping Co.	Owner of vessel.
Peter Reiss.....	WNX	300, 600.....	PG-X	North American S. S. Co.....	R. C. A.
Petoskey.....	WDH	300, 600.....	PG-X	Chicago & South Haven S. S. Co.	Do.
Petrel.....	KFDG	300, 450, 600,	PG-X	Portland Trawling Co.	Do.
Philadelphia.....	KDA	300, 450, 600,	PG-N	Atlantic & Caribbean Steam Nav. Co.	Do.
Philadelphia.....	KSM	300, 450, 600, 706	PG-N	New York-Naples S. S. Co.	I. W. T. Co.
Philippines.....	WAV	300, 600.....	PG-N	U. S. S. B.	R. C. A.
Philip Publicker.....	KDREW	300, 450, 600,	PG-X	Adelphia S. S. Corp.	Do.
Phoenix.....	WJEQ	300, 600.....	PG-X	U. S. S. B.	Do.
Phoenix Bridge.....	WFQO	300, 600.....	PG-X	do.....	Do.
Phyllis.....	KFGB	300, 600.....	PG-X	W. R. Chamberlin.....	Do.
Pilgrim.....	KFAH	300, 600.....	PG-X	Wm. L. Elkins.....	Do.
Pilgrim.....	KURS	300, 600.....	PG-X	Goodrich Transit Co.	Do.
Pioneer.....	KIG	300, 450, 600,	PG-X	Standard Oil Co. of N. J.	Do.
Pioneer.....	KUSS	300, 600.....	PG-X	Stuart Packing Co.	Owner of vessel.
Pioneer.....	WPN	300, 600.....	PG-X	Puget Sound Tug Boat Co.	I. W. T. Co.
Pipestone County.....	KIMZ	300, 450, 600,	PG-X	U. S. S. B.	Do.
Pisco.....	KEQV	300, 600.....	PG-X	do.....	R. C. A.
Pittsburgh Bridge.....	KUKL	300, 450, 600,	PG-X	National Oil & Transport Co.	Do.
P. J. Reilly.....	KDMY	300, 450, 600,	PG-X	U. S. S. B.	R. C. A.
Plow City.....	KUCO	300, 600.....	PG-X	Plymouth S. S. Co.	I. W. T. Co.
Plymouth.....	KND	300, 600, 706	PG-X	New England S. S. Co.	S. O. R. S.
Plymouth.....	KXH	300, 450, 600,	PG-X	Barron G. Collier.....	F. T. Co.
Pocantico.....	KDQDQ	300, 600.....	PG-X	M. H. Whittier Co.	Do.
Poinsettia.....	KFHW	300, 600.....	PG-X	Pacific Mail S. S. Co.	Do.
Point Adams.....	WES	300, 600.....	PG-X	Siler Mill Co.	Do.
Point Arena.....	WHP	300, 600.....	PG-X	Pacific Mail S. S. Co.	Do.
Point Bonita.....	WMT	300, 600.....	PG-X	do.....	Do.
Point Judith.....	KPAA	300, 600.....	PG-X	do.....	Do.
Point Lobos.....	KJUI	300, 600.....	PG-X	do.....	Do.
Point Loma.....	WAU	300, 600.....	PG-X	U. S. S. B.	R. C. A.
Polar Bear.....	WGQE	300, 600.....	PG-N	do.....	Do.
Polarine.....	KOI	300, 450, 600,	PG-X	Standard Oil Co. of N. J.	I. W. T. Co.
Polar Sea.....	KSOA	300, 600.....	PG-N	U. S. S. B.	Do.
Polar Star.....	KELC	300, 450, 600,	PG-N	do.....	Do.
Pollillo.....	KDVB	300, 600.....	PG-X	Philippine Insular Government	Do.
Polybius.....	KIGL	300, 600.....	PG-N	U. S. S. B.	Do.
Polynesia.....	KDXN	300, 600.....	PG-X	Pioneer S. S. Co.	Do.
Pomona.....	KDAT	300, 450, 600,	PG-X	U. S. S. B.	Do.
Ponce.....	KGP	300, 450, 600, 706	PG-N	New York & Porto Rico S. S. Co.	I. W. T. Co.
Pontia.....	KIPC	300, 600.....	PG-X	U. S. S. B.	R. C. A.
Porto Rico.....	WJG	300, 450, 600, 706	PG-N	New York & Porto Rico S. S. Co.	R. C. A.
Portsmouth.....	KOJV	300, 600.....	PG-N	U. S. S. B.	Do.
Potomac.....	KOKN	300, 450, 600,	PG-N	do.....	Do.
Potter.....	KDFC	300, 600.....	PG-X	do.....	Do.
Poughkeepsie.....	KEZZ	300, 600.....	PG-X	do.....	I. W. T. Co.
President Adams.....	KDRL	300, 450, 600, 706, 1800	PG-N	do.....	Do.
President Arthur.....	WLS	300, 450, 600, 706	PG-N	do.....	I. W. T. Co.
President Buchanan.....	KFGN	300, 600.....	PG-N	do.....	S. O. R. S.
President Cleveland.....	KDCM	300, 450, 600, 1800	PG-N	do.....	Do.
President Fillmore.....	KDCI	300, 450, 600, 706	PG-N	do.....	I. W. T. Co.
President Garfield.....	KDTG	300, 450, 600, 706	PG-N	do.....	S. O. R. S.
President Grant....	KDUT	300, 450, 600, 1800	PG-N	do.....	Do.
President Harding.....	KDWK	300, 450, 600,	PG-N	do.....	I. W. T. Co.
President Harrison.....	KDMQ	300, 450, 600,	PG-N	do.....	I. W. T. Co.
President Hayes....	KDLB	300, 450, 600,	PG-N	do.....	S. O. R. S.
President Jackson.....	KDPA	300, 450, 600, 1800	PG-N	do.....	Do.
President Jefferson.....	KDOT	300, 450, 600, 706, 1800	PG-N	do.....	I. W. T. Co.
President Lincoln.....	KDUY	300, 450, 600, 1800	PG-N	do.....	S. O. R. S.
President Madison.....	KDVR	300, 600.....	PG-N	do.....	Do.
President McKinley.....	KDSL	300, 450, 600.....	PG-N	do.....	Do.
President Monroe.....	KDAR	300, 450, 600, 706	PG-N	do.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
President Pierce...	KDNV	300, 450, 600, 1800	PG-N	U. S. S. B.....	S. O. R. S.
President Polk....	KDOZ	300, 450, 600, 706	PG-N	.....do.....	Do.
President Roosevelt.	KDWS	300, 450, 600, 706, 1800	PG-N	.....do.....	Do.
President Taft....	KDRW	300, 450, 600, 1800	PG-N	.....do.....	Do.
President Van Buren.	KDHF	300, 450, 600, 706	PG-N	.....do.....	R. C. A.
President Wilson..	KDSV...	300, 450, 600, 1800	PG-N	.....do.....	S. O. R. S.
Price McKinney...	KDXR	300, 600.....	PG-X	Pioneer S. S. Co.....	R. C. A.
Princeton.....	KST	300, 450, 600...	PG-X	Standard Oil Co. of N. J.	Do.
Priscilla.....	KXI	300, 450, 600...	PG-N	New England S. S. Co.....	I. W. T. Co.
Proctor.....	KEPQ	300, 600...	PG-X	U. S. S. B.....	
Providence.....	KXJ	300, 450, 600...	PG-X	New England S. S. Co.....	Do.
Provincetown.....	KDFE	300, 600...	PG-N	U. S. S. B.....	
Prusa.....	KELQ	300, 450, 600...	PG-X	.....do.....	
Puget Sound.....	WER	300, 450, 600, 706	PG-X	.....do.....	Do.
Puritan.....	WDU	300, 600.....	PG-X	Chicago, Racine & Milwaukee Line.....	R. C. A.
Putnam.....	KIXQ	300, 600.....	PG-X	U. S. S. B.....	
Python.....	WNIO	300, 450, 600...	PG-X	.....do.....	
Quaker City.....	KOZL	300, 450, 600, 706	PG-X	.....do.....	S. O. R. S.
Quantico.....	KQQ	300, 450, 600...	PG-X	Merchants & Miners Transpn. Co.....	I. W. T. Co.
Queen.....	WGX	300, 600.....	PG-N	Pacific S. S. Co.....	R. C. A.
Queen II.....	WOY	300, 600.....	P-X	Central Illinois Public Service Co. and Wm. F. Gilman.	Owner of vessel.
Quillwark.....	KUZZM	300, 450, 600...	PG-X	U. S. S. B.....	
Quinault.....	KDND	300, 600...	PG-X	Hart-Wood Lumber Co.....	Do.
Quincy.....	KFEE	300, 600...	PG-X	Quincy S. S. Co.....	
Quinnipiac.....	KOQT	300, 600...	PG-X	U. S. S. B.....	
Quinsteonck.....	WREI	300, 450, 600...	PG-X	.....do.....	I. W. T. Co.
Quittacas.....	WRUO	300, 600...	PG-X	.....do.....	
Radiant.....	KTR	300, 450, 600...	PG-X	Standard Transpn. Co.....	R. C. A.
Radnor.....	KJUE	300, 600...	PG-X	U. S. S. B.....	Do.
Rainier.....	WRZ	300, 600...	PG-X	Atlas S. S. Co.....	S. O. R. S.
Rajah.....	WAO	300, 600...	PG-X	Rajah S. S. Co.....	R. C. A.
Ransom B. Fuller.	KRF	300, 600, 706...	PG-X	Eastern S. S. Lines.....	Do.
Rappahannock.....	WQQ	300, 600.....	PG-N	U. S. S. B.....	
Rayo.....	KTL	300, 600...	PG-X	Standard Transpn. Co.....	Do.
Reaper.....	KDLG	300, 450, 600...	PG-X	Texas S. S. Co.....	
Red Mountain.....	KOTQ	300, 450, 600...	PG-X	U. S. S. B.....	
Redondo.....	WBM	300, 600...	PG-X	Alaska S. S. Co.....	S. O. R. S.
Redwood.....	WSD	300, 450, 600... & X	PG-N	Pacific American Fisheries Co.	Do.
Relay.....	KVZ	300, 450, 600...	P-X	All America Cable Co.....	I. W. T. Co.
Reliance.....	KDYE	300, 450, 600, 1800	PG-N	Atlantic Mail Corp.....	United American Lines.
Relief.....	KRJ	300, 600.....	PG-X	Merritt & Chapman Derrick & Wrecking Co.	S. O. R. S.
Remlik III.....	KZR	300, 600...	PG-X	Willis S. Kilmer.....	Owner of vessel.
Remus.....	KEBX	300, 450, 600...	PG-X	U. S. S. B.....	
Republic.....	WSU	300, 450, 600...	PG-X	Chile S. S. Co.....	I. W. T. Co.
Resolute.....	KDYA	300, 600, 1800	PG-N	Atlantic Mail Corp.....	United American Lines.
Resolute.....	KRM	300, 450, 600...	PG-X	Merritt & Chapman Derrick & Wrecking Co.	Owner of vessel.
Restless.....	KFGW	300, 600...	PG-X	A. S. Cochrane.....	
Restorer.....	WIU	300, 450, 600...	P-N	Commercial Pacific Cable Co.	R. C. A.
Reuce.....	WSR	300, 600...	PG-X	Columbia River Packers' Association.	Owner of vessel.
Richard J. Reiss.....	WNK	300, 600...	PG-X	Reiss S. S. Co.....	R. C. A.
Richard Peck.....	KXR	300, 600...	PG-X	New England S. S. Co.....	
Richeconcal.....	KUTX	300, 450, 600, 706	PG-X	Beacon Oil Co.....	Do.
Richmond.....	KDOQ	300, 600.....	PG-X	Aiken Towboat & Barge Co.	S. O. R. S.
Richmond.....	WTR	300, 450, 600, 706	PG-X	Standard Oil Co., of Calif.	R. C. A.
Ripon.....	KUGM	300, 450, 600...	PG-X	U. S. S. B.....	
Ripple.....	KUDN	300, 450, 600...	PG-X	A. J. McAllister.....	S. O. R. S.
Riverside Bridge.....	KUCD	300, 600...	PG-X	U. S. S. B.....	
R. J. Hanna.....	KDRD	300, 600...	PG-X	Standard Oil Co. of Calif.	R. C. A.
Roanoke.....	KOXY	300, 600...	PG-X	Texas S. S. Co.....	I. W. T. Co.
Robert E. Hopkins	KDVE	300, 600...	PG-X	Tidewater Oil Co.....	R. C. A.
Robert Lewers.....	KFDQ	300, 600...	PG-X	Lewers & Cooke.....	Owner of vessel.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Robert Luckenbach.	KUKS	300, 600.....	PG-X	Luckenbach S. S. Co.....	S. O. R. S.
Robert M. Thompson.	KNW	300, 600.....	PG-X	American Transpn. Co.....	
Robert P. Clark.	KTH	300, 450, 600.....	PG-X	Gulf Refining Co.....	I. W. T. Co.
Robin Adair.	KOVM	300, 450, 600.....	PG-X	Seas Shipping Co.....	S. O. R. S.
Robin Goodfellow.	KUBN	300, 600.....	PG-X	Robin Line S. S. Co.....	Do.
Robin Gray.	KOXT	300, 450, 600.....	PG-X	.....do.....	Do.
Robin Hood.	KOTM	300, 600, 706.....	PG-X	Seas Shipping Co.....	Do.
Rochester.	KUTZ	300, 450, 600.....	PG-X	Vacuum Oil Co.....	R. C. A.
Rockaway Park.	KIZZ	300, 450, 600, 706.....	PG-X	U. S. S. B.....	I. W. T. Co.
Rock Island.	KIND	300, 600.....	PG-X	.....do.....	
Rockport.	KOZD	300, 450, 600.....	PG-X	.....do.....	
Rodman Swift.	KDKQ	200, 300, 600.....	P-X	Submarine Signal Co.....	Owner of vessel.
Romagne.	KDJX	300, 600.....	PG-X	Independent S. S. Co.....	R. C. A.
Romulus.	KIDR	300, 600.....	PG-X	U. S. S. B.....	
Roosevelt.	KFHN	300, 450, 600.....	PG-X	West Coast Transpn. Co.....	Owner of vessel.
Rose City.	WWR	300, 600.....	PG-N	San Francisco & Portland S. S. Co.....	R. C. A.
Rotarian.	KDCF	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Rowena.	KFDN	300, 600.....	PG-X	Morrill Goddard.....	
Royal Arrow.	KSW	300, 450, 600.....	PG-N	Standard Transpn. Co.....	
Ruby.	KOBC	300, 600.....	PG-X	American Transpn. Co.....	
Rush.	WNR	300, 600.....	PG-X	Everett Packing Co.....	
Rushville.	KUDS	300, 600.....	PG-X	U. S. S. B.....	
Ruth.	KZQ	300, 450, 600.....	PG-X	A. H. Bull S. S. Co.....	I. W. T. Co.
Ruth Alexander.	WDR	300, 450, 600.....	PG-X	Robert Dollar Co.....	R. C. A.
Ruth E. Merrill.	KQU	300, 450, 600.....	PG-X	A. W. Frost.....	Owner of vessel.
Sabine Sun.	WLQ	300, 450, 600.....	PG-X	Sun Oil Co.....	R. C. A.
Sabotawan.	KIJ	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Sacandaga.	KESC	300, 450, 600.....	PG-X	.....do.....	R. C. A.
Saccarappa.	WGQI	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
Sac City.	KEFB	300, 450, 600.....	PG-X	.....do.....	Do.
Saco.	KEPT	300, 450, 600.....	PG-X	.....do.....	S. O. R. S.
Sacramento.	KWV	300, 600.....	PG-X	Sacramento S. S. Co.....	
Sagadahoc.	KTUO	300, 600, 706.....	PG-X	Sagadahoc S. S. Corp.....	
Sagaporack.	KZIU	300, 450, 600.....	PG-X	U. S. S. B.....	
Sag Harbor.	WPAE	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
Saguia.	KVO	300, 450, 600.....	PG-N	Sagamo S. S. Corp.....	Do.
Saguache.	KEKL	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Sahale.	KEPR	300, 450, 600.....	PG-X	.....do.....	Do.
St. Anthony.	KUBM	300, 450, 600.....	PG-X	.....do.....	Do.
St. Augustine.	KIKJ	300, 600.....	PG-X	.....do.....	
St. Heliers.	KFFS	300, 450, 600.....	PG-X	Huasteca Petroleum Co.....	Do.
St. Johns County.	KIKG	300, 600.....	PG-X	U. S. S. B.....	
St. Katherine.	KFHE	300, 600.....	PG-X	Red Salmon Canning Co.....	Owner of vessel.
St. Michael.	KFCO	300, 600.....	PG-X	Nicola Filiberto.....	
St. Nicholas.	WSS	300, 600.....	PG-X	Columbia River Packers' Assn. International Mercantile Ma-	
St. Paul.	KSO	300, 450, 600.....	PG-N	rine Co.....	
Standard.	KIC	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Salaam.	KURP	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Salaverry.	KEQX	300, 600.....	PG-X	.....do.....	
Salem County.	KODR	300, 450, 600.....	PG-X	Galena Navigation Co.....	R. C. A.
Salina.	KUZQ	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Salvation Lass.	KIMN	300, 450, 600.....	PG-X	.....do.....	Do.
Samoa.	KTUI	300, 450, 600.....	PG-X	Hammond Lumber Co.....	
Samuel L. Fuller.	KDMS	300, 600.....	PG-X	Sinclair Navigation Corp.....	R. C. A.
Samuel Mitchell.	WEJ	300, 600.....	PG-X	Huron Transpn. Co.....	Do.
Samuel Q. Brown.	KDVO	300, 450, 600.....	PG-X	Tide Water Oil Co.....	
San Antonio.	KOMN	300, 600.....	PG-X	American Finance & Com-	Owner of vessel.
San Diego.	KUBF	300, 600.....	PG-X	merce Co.....	
San Francisco.	KRT	300, 450, 600.....	PG-X	Hart-Wood Lumber Co.....	Do.
Sangamon.	WJAA	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	R. C. A.
San Jacinto.	KES	300, 450, 600, 706.....	PG-N	U. S. S. B.....	I. W. T. Co.
San Jose.	KDJ	300, 600.....	PG-X	Mallory S. S. Co.....	
San Juan.	KGJ	300, 450, 600, 706.....	PG-X	United Fruit S. S. Corp.....	T. R. T. Co.
San Juan.	KULV	300, 450, 600.....	PG-N	New York & Porto Rico S. S. Co.....	I. W. T. Co.
San Juan.	WWM	300, 600.....	PG-N	Libby, McNeill & Libby.....	Owner of vessel.
San Lorenzo.	KEZ	300, 600, 706.....	PG-N	Pacific Mail S. S. Co.....	F. T. Co.
San Mateo.	KLV	300, 600.....	PG-X	New York & Porto Rico S. S. Co.....	I. W. T. Co.
San Pasqual.	KUXC	300, 450, 600.....	PG-X	United Fruit S. S. Co.....	T. R. T. Co.
San Ramon.	WNW	300, 600.....	PG-X	Mexican Fruit & S. S. Corp....	Wireless Service Co.

## 40 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Santa Ana.....	WAL	300, 600.....	PG-X	Santa Ana S. S. Co.....	S. O. R. S.
Santa Ana.....	WBX	300, 450, 600, 706	PG-N	Grace S. S. Co.....	R. C. A.
Santa Barbara.....	WBJ	300, 450, 600.....	PG-X	do.....	Do.
Santa Cecilia.....	WBB	300, 450, 600, 706	PG-X	Planet S. S. Corp.....	Do.
Santa Clara.....	WBA	300, 450, 600, 706	PG-X	Atlantic & Pacific S. S. Co.....	Do.
Santa Cruz.....	WBD	300, 450, 600.....	PG-N	do.....	Do.
Santa Elisa.....	KIGQ	300, 450, 600, 706	PG-N	Grace S. S. Co.....	Do.
Santa Eulalia.....	KDDY	300, 450, 600.....	PG-X	American & Cuban S. S. Line.....	Do.
Santa Flavia.....	KRUI	300, 450, 600.....	PG-X	International Packing Co.....	Do.
Santa Inez.....	WSI	300, 450, 600.....	PG-X	Andrew F. Mahony.....	Do.
Santa Isabel.....	KDBV	300, 450, 600, 706	PG-X	American & Cuban S. S. Line.....	Do.
Santa Luisa.....	KJEU	300, 450, 600.....	PG-N	Grace S. S. Co.....	Do.
Santa Malta.....	KIBN	300, 450, 600, 706	PG-X	Atlantic & Pacific S. S. Co.....	Do.
Santa Marta.....	KLG	300, 600.....	PG-N	United Fruit Co.....	T. R. T. Co.
Santanta.....	KZS	300, 600.....	P-X	Osborne Howes.....	Owner of vessel.
Santa Olivia.....	KQII	300, 450, 600.....	PG-X	Atlantic & Pacific S. S. Co.....	R. C. A.
Santa Paula.....	WBQ	300, 600, 706	PG-X	Grace S. S. Co.....	Do.
Santa Rosa.....	WBO	300, 450, 600, 706	PG-X	do.....	Do.
Santa Rosalia.....	KLO	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	Do.
Santa Tecla.....	KNEE	300, 600.....	PG-X	Grace S. S. Co.....	Do.
Santa Teresa.....	WLIA	300, 450, 600, 706	PG-N	do.....	Do.
Santa Veronica.....	KDHT	300, 450, 600.....	PG-X	American & Cuban S. S. Line.....	Do.
Santiago.....	KWE	300, 450, 600.....	PG-X	New York & Cuba Mail S. S. Co.....	I. W. T. Co.
Santore.....	KDQ	300, 450, 600.....	PG-X	Guaranty Trust Co.....	R. C. A.
Sapinero.....	KESG	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Sarah Weems.....	WQJ	300, 600.....	PG-X	Baltimore & Carolina S. S. Co.....	T. R. T. Co.
Saramacca.....	KLH	300, 450, 600.....	PG-N	United Fruit S. S. Corp.....	I. W. T. Co.
Sarcoxie.....	WLAA	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Satartia.....	KIDC	300, 450, 600.....	PG-X	do.....	Do.
Satsuma.....	KJI	300, 450, 600.....	PG-X	New York & Oriental S. S. Co.....	I. W. T. Co.
Saucon.....	WBK	300, 450, 600, 706	PG-X	U. S. S. B.....	Do.
Saugerties.....	WAB	300, 450, 600.....	PG-X	do.....	S. O. R. S.
Saugus.....	KIBQ	300, 450, 600, 706	PG-X	do.....	I. W. T. Co.
Sawokia.....	KDBW	300, 450, 600.....	PG-X	do.....	Do.
Saxon.....	WZEA	300, 600.....	PG-X	Clinchfield Navigation Co.....	R. C. A.
S. B. Hunt.....	KIPR	300, 450, 600.....	PG-X	S. O. Co. of N. J.....	Do.
Scantic.....	KILR	300, 450, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Schenectady.....	WJIU	300, 450, 600, 706	PG-X	do.....	R. C. A.
Schodack.....	KEVT	300, 450, 600, 706	PG-X	do.....	Do.
Schoharie.....	KEVV	300, 450, 600, 706	PG-X	do.....	S. O. R. S.
Schoodic.....	KIDQ	300, 450, 600.....	PG-X	do.....	I. W. T. Co.
Schroon.....	KIJM	300, 450, 600.....	PG-X	do.....	Do.
Schuylkill Bridge.....	KUKC	300, 450, 600.....	PG-X	do.....	R. C. A.
Scottsburg.....	KOMM	300, 450, 600.....	PG-X	do.....	Do.
S. C. T. Dodd.....	KDML	300, 600.....	PG-X	S. O. Co. of Cal.....	Do.
Sea Gull.....	KFCW	300, 450, 600.....	PG-X	Portland Trawling Co.....	S. O. R. S.
Sea Lion.....	KDOJ	300, 600.....	PG-X	Ship Owners & Merchants Tugboat Co.....	Owner of vessel.
Sea Monarch.....	KDQU	300, 600.....	PG-X	do.....	Do.
Sea Ranger.....	KDSQ	300, 450, 600.....	PG-X	do.....	Do.
Sea Scout.....	KDSY	300, 450, 600.....	PG-X	do.....	Do.
Seattle Spirit.....	KISD	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Seaward.....	KFEH	300, 600.....	PG-X	C. B. DeMille Productions.....	Do.
Sebonac.....	KUVF	300, 450, 600.....	PG-X	Thos. A. Howell.....	I. W. T. Co.
Security.....	KSJ	300, 600.....	PG-X	Standard Oil Co. of N. Y.....	R. C. A.
Seeandbee.....	WFS	300, 450, 600.....	PG-X	Cleveland & Buffalo Transit Co.....	Owner of vessel.
Seekonk.....	KIGF	300, 450, 600.....	PG-X	U. S. S. B.....	Do.
Seiner.....	KFDK	300, 450, 600.....	PG-X	Portland Trawling Co.....	Do.
Selma City.....	KDRJ	300, 450, 600.....	PG-X	U. S. Steel Products Co.....	I. W. T. Co.
Seminole.....	KUGP	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Senator Bailey.....	KGS	300, 450, 600.....	PG-X	Gulf Refining Co.....	Do.
Severance.....	KXOE	300, 600.....	PG-X	Union Sulphur Co.....	Do.
Sewalls Point.....	KGX	300, 450, 600.....	PG-X	Castner, Curran & Bullitt.....	Do.
Sharon.....	KIRK	300, 600.....	PG-X	U. S. S. B.....	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Shenandoah.....	KIBD	300, 600.....	PG-X	Texas Co.....	I. W. T. Co.
Shenango.....	KTC	300, 600.....	PG-X	Gulf Refining Co.....	Do.
Sherman.....	KMQ	300, 450, 600.....	PG-X	Sherman S. S. Co.....	Do.
Shipping Board vessels (general call).	KSBV				
Shickshinny.....	KIZP	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Shooters Island.....	KERG	300, 450, 600..	PG-X	.....do.....	
Shortsville.....	KIKK	300, 600.....	PG-X	.....do.....	
Shreveport.....	WGAO	300, 450, 600..	PG-X	.....do.....	R. C. A.
Sialia.....	WFY	300, 600, 706, 909, 1713	PG & PR-X	Henry Ford.....	Owner of vessel.
Siboney.....	WRN	300, 450, 600, 706, 1800	PG-N	New York & Cuba Mail S. S. Co.	I. W. T. Co.
Sidney M. Haupt man.	KUVF	300, 450, 600..	PG-X	McCormick Intercoastal S. S. Co.	Do.
Sierra.....	KRW	300, 600.....	PG-X	S. S. Freeman.....	Owner of vessel.
Siletz.....	KODG	300, 600.....	PG-X	U. S. S. B.....	
Silverbrook.....	KIBC	300, 600.....	PG-X	.....do.....	
Silver Shell.....	WIA	300, 450, 600..	PG-X	Silver Shell S. S. Co.....	R. C. A.
Sinasta.....	KDAC	300, 450, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Sinsinawa.....	KOJD	300, 450, 600..	PG-X	.....do.....	R. C. A.
Sioux City.....	KUGK	300, 450, 600..	PG-X	.....do.....	
Sioux Falls.....	KONN	300, 600.....	PG-X	.....do.....	
Sir Thomas Shaughnessy.	WFV	300, 600.....	PG-X	Jenkins S. S. Co.....	Do.
Siskiyou.....	KDAS	300, 600.....	PG-X	E. K. Wood Lumber Co.....	Owner of vessel.
Sixaola.....	KDS	300, 600, 706, 1800	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Skagway.....	WAT	300, 600.....	PG-X	Alaska S. S. Co.....	S. O. R. S.
S. M. Fischer.....	WPH	300, 600.....	PG-X	Reid Towing & Wrecking Co.	R. C. A.
S. M. Spalding.....	WKG	300, 450, 600..	PG-X	Pan American Petroleum and Transport Co.	
S. O. Co. No. 93.....	WTY	300, 600.....	PG-X	Standard Oil Co. of Calif.....	Do.
S. O. Co. No. 95.....	WTZ	300, 450, 600..	PG-X	.....do.....	Do.
Socony.....	KTX	300, 450, 600..	PG-X	Standard Transpn. Co.....	Do.
Socony 82.....	KVAI	300, 450, 600..	PG-X	.....do.....	Do.
Socony 83.....	KVAO	300, 600, 706..	PG-X	Standard Oil Co. of N. Y.....	Do.
Socony 84.....	WCOE	300, 450, 600..	PG-X	Standard Transpn. Co.....	Do.
Socony 85.....	WKAЕ	300, 450, 600..	PG-X	.....do.....	Do.
Socony 88.....	KRUU	300, 450, 600..	PG-X	.....do.....	Do.
Socony 89.....	KSAA	300, 450, 600..	PG-X	.....do.....	Do.
Socony 90.....	WTII	300, 450, 600..	PG-X	.....do.....	Do.
Socony 92.....	WCOI	300, 450, 600..	PG-X	.....do.....	Do.
Socony 94.....	WTIO	300, 450, 600..	PG-X	.....do.....	Do.
Solana.....	KDQJ	300, 600, 1800	PG-X	Pacific Mail S. S. Co.....	F. T. Co.
Solitaire.....	KUMT	300, 600.....	PG-X	Texas S. S. Co.....	I. W. T. Co.
Somerset.....	KSU	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Sonoma.....	WHM	300, 600, 1800	PG-N	Oceania S. S. Co.....	F. T. Co.
South American.....	WEO	300, 600.....	PG-N	Chicago, Duluth & Georgian Bay S. S. Co.	R. C. A.
Southern Cross.....	KDTZ	300, 450, 600, 706, 1800	PG-N	U. S. S. B.....	S. O. R. S.
Southlands.....	KOKS	300, 450, 600, 706	PG-X	Lone Star S. S. Co.....	Do.
South Pole.....	WDIA	300, 600.....	PG-N	U. S. S. B.....	R. C. A.
Southseas.....	KUFG	300, 450, 600..	PG-X	Lone Star S. S. Co.....	
Specjacks.....	KDUF	300, 450, 600..	P-X	Albert Y. Gowen.....	
Spray.....	KDWJ	300, 450, 600..	PG-X	Anthony J. McAllister.....	Owner of vessel.
Spray.....	KDYB	300, 450, 600..	PG-X	John F. Gray.....	R. C. A.
Springfield.....	KUTR	300, 450, 600..	PG-X	U. S. S. B.....	
Standard.....	KXOI	300, 450, 600..	PG-X	Standard Transpn. Co.....	
Standard II.....	KSA	300, 600.....	PG-X	Standard Oil Co. of N. Y.....	
Standard Arrow.....	KSV	300, 450, 600..	PG-N	Standard Transpn. Co.....	
Standard Oil Co. vessels (general call).	KSOC			Standard Oil Co.....	
Standartug No. 1.....	KOQM	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	
Stanley.....	KISJ	300, 450, 600..	PG-X	U. S. S. B.....	
Stanley Dollar.....	WLM	300, 450, 600..	PG-X	Robert Dollar Co.....	
Stanwood.....	KFFW	300, 450, 600..	PG-X	W. R. Chamberlain.....	
Star 1.....	WRIO	300, 600.....	PG-X	U. S. Whaling Co.....	
Star of France.....	KFFH	300, 450, 600..	PG-X	Alaska Packers Assn.....	
Star of Greenland.....	KERF	300, 600.....	PG-X	.....do.....	
Star of Holland.....	KUGQ	300, 600.....	PG-X	.....do.....	
Star of Italy.....	KFFI	300, 450, 600..	PG-X	.....do.....	
Star of Lapland.....	KXOA	300, 600.....	PG-X	.....do.....	
Star of Russia.....	KFFJ	300, 450, 600..	PG-X	.....do.....	
Star of Scotland.....	KFFK	300, 450, 600..	PG-X	.....do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Starr.....	WPS	300,600.....	PG-X	San Juan Fishing & Packing Co.	S. O. R. S.
State of Ohio.....	WFR	300,600.....	PG-X	Cleveland & Buffalo Transit Co.	R. C. A.
Steadfast.....	WDEO	300,450,600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Steel Age.....	KOXX	300,450,600.....	PG-X	U. S. Steel Products Co.....	R. C. A.
Steel Engineer.....	KDCX	300,450,600.....	PG-X	do.....	Do.
Steel Exporter.....	KDDN	300,450,600, 706	PG-X	do.....	Do.
Steel Inventor.....	KDJL	300,600.....	PG-X	do.....	Do.
Steelmaker.....	KOXX	300,450,600.....	PG-X	do.....	Do.
Steel Mariner.....	KUVK	300,600.....	PG-X	do.....	Do.
Steel Navigator.....	KDWL	300,450,600.....	PG-X	do.....	Do.
Steelore.....	KFCG	300,600.....	PG-X	Guaranty Trust Co. of N. Y. trustee.	Do.
Steel Ranger.....	KDGL	300,450,600.....	PG-X	U. S. Steel Products Co.....	Do.
Steel Scientist.....	KDVW	300,450,600.....	PG-X	do.....	Do.
Steel Seafarer.....	KDVN	300,450,600, 706	PG-X	do.....	Do.
Steel Trader.....	KUVL	300,450,600.....	PG-X	do.....	Do.
Steel Traveler.....	KFCI	300,450,600.....	PG-X	do.....	Do.
Steel Voyager.....	KUFN	300,450,600, 706	PG-X	do.....	I. W. T. Co.
Steel Worker.....	KDBJ	300,450,600, 706	PG-X	do.....	R. C. A.
Stellaris.....	KIFL	300,450,600.....	PG-X	Stella F. Schlotman.....	Do.
Stephen M. Clement.....	KFBX	300,600.....	PG-X	American S. S. Co.....	
Stephen R. Jones.....	KXX	300,450,600, 706	PG-X	Crowell & Thurlow S. S. Co.....	Owner of vessel.
Stockton.....	KDDS	300,600,1800.....	PG-X	U. S. S. B.....	S. O. R. S.
Storm King.....	KDJM	300,450,600.....	PG-X	do.....	
Storm King.....	KOGM	300,600.....	PG-X	Rolph Navigation & Coal Co.....	Owner of vessel.
Stuart Dollar.....	KDXD	300,450,600.....	PG-X	Dollar S. S. Line.....	R. C. A.
Stuyvesant.....	WJP			Panaman Government.....	
Suboatco.....	KURZ	300,450,600.....	PG-X	Submarine Boat Corp.....	
Sucarsecos.....	KUPB	300,450,600.....	PG-X	do.....	Do.
Sucrosa.....	KNS	300,450,600.....	PG-X	Cube Distilling Co.....	Do.
Sucubaco.....	KDQL	300,600.....	PG-X	Submarine Boat Corp.....	Do.
Sudawsonco.....	KDFJ	300,450,600.....	PG-X	do.....	Transmarine Corp.
Sudbury.....	KRZ	300,450,600, 706	PG-X	Shawmut S. S. Co.....	United American Lines.
Sudufco.....	KDDO	300,600.....	PG-X	Submarine Boat Corp.....	
Sudurco.....	KDEY	300,450,600.....	PG-X	do.....	R. C. A.
Suedco.....	KUBS	300,600.....	PG-X	do.....	Do.
Suelco.....	KUZZ	300,600.....	PG-X	do.....	Do.
Suffolk.....	WRS	300,450,600.....	PG-X	Coastwise Transpn. Co.....	
Sugillenco.....	KDLS	300,600.....	PG-X	Submarine Boat Corp.....	
Suholoco.....	KUZF	300,450,600.....	PG-X	do.....	
Sujameco.....	KDLF	300,600.....	PG-X	do.....	
Sujerseyco.....	KDNH	300,600.....	PG-X	do.....	
Sulanierco.....	KDFI	300,450,600.....	PG-X	do.....	
Sumanco.....	KDDH	300,600.....	PG-X	do.....	
Summerleaf.....	KUGR	300,450,600.....	PG-X	U. S. S. B.....	
Sum.....	KTU	300,600.....	PG-X	Sun Oil Co.....	
Sunbeam.....	KODC	300,600.....	PG-X	Sun Co.....	
Sundance.....	KORD	300,600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Sunelsecos.....	KUSC	300,450,600.....	PG-X	Submarine Boat Corp.....	R. C. A.
Sunewarkco.....	KDNI	300,600.....	PG-X	do.....	Do.
Sunewco.....	KDBR	300,450,600, 706	PG-X	do.....	Do.
Sunlite.....	KPQ	300,450,600.....	PG-X	Standard Oil Co. of N. J.....	
Sunoil.....	KWP	300,450,600.....	PG-X	Sun Oil Co.....	
Sunugento.....	KDNX	300,600.....	PG-X	Submarine Boat Corp.....	Transmarine Corp.
Suphenco.....	KDRP	300,600.....	PG-X	do.....	R. C. A.
Suportoco.....	KUZK	300,600.....	PG-X	do.....	Do.
Surailco.....	KDBS	300,600.....	PG-X	do.....	
Suremico.....	KDHB	300,600.....	PG-X	do.....	
Suricheco.....	KDHA	300,450,600.....	PG-X	do.....	
Surico.....	KDDP	300,450,600.....	PG-X	do.....	
Surinam.....	KDCY	300,450,600.....	PG-X	U. S. S. B.....	S. O. R. S.
Suriname.....	KLI	300,450,600, 706	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Suruga.....	KGD	300,450,600.....	PG-X	New York & Oriental S. S. Co.....	R. C. A.
Susana II.....	KEMG	300,450,600.....	PG-X	Madrigal & Co.....	Owner of vessel.
Suscolanco.....	KDFK	300,450,600.....	PG-X	Submarine Boat Corp.....	Transmarine Corp.
Susherico.....	KDDQ	300,600.....	PG-X	do.....	
Suspearco.....	KDPG	300,600.....	PG-X	do.....	Do.
Susquehanna.....	KOLN	300,450,600, 706	PG-N	U. S. S. B.....	I. W. T. Co.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Susquehanna.....	WEM	300, 450, 600.....	PG-X	Herman Kaczyk.....	R. C. A.
Sutermco.....	KDDI	300, 450, 600.....	PG-X	Submarine Boat Corp.....	Do.
Sutherland.....	WTJ	300, 600.....	PG-X	U. S. S. B.....	Do.
Sutorpco.....	KDBQ	300, 450, 600.....	PG-X	Submarine Boat Corp.....	Do.
Sutransco.....	KUZG	300, 450, 600.....	PG-X	.....do.....	Do.
Suwairinco.....	KDLD	300, 600.....	PG-X	.....do.....	Do.
Suwied.....	KOXC	300, 600.....	PG-X	U. S. S. B.....	Do.
S. V. Harkness.....	KEU	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
Suwordenco.....	KDLE	300, 600.....	PG-X	Submarine Boat Corp.....	Do.
Swift Arrow.....	KDOS	300, 450, 600.....	PG-X	Swiftsure Oil Transport Co.....	Do.
Swiftteagle.....	KDRK	300, 450, 600.....	PG-X	.....do.....	Do.
Swiftlight.....	KDSA	300, 450, 600.....	PG-X	.....do.....	Do.
Swift Scout.....	KDQV	300, 600.....	PG-X	.....do.....	Do.
Swiftstar.....	KDPF	300, 450, 600.....	PG-X	.....do.....	Do.
Swiftsure.....	KDNG	300, 450, 600.....	PG-X	.....do.....	Do.
Swift Wind.....	KDSI	300, 450, 600.....	PG-X	.....do.....	Do.
Sylvan Arrow.....	KSX	300, 450, 600.....	PG-X	Standard Transpn. Co.....	Do.
Syros.....	KDEC	300, 600.....	PG-X	U. S. S. B.....	Do.
Tachira.....	KDKI	300, 450, 600.....	PG-X	Atlantic & Caribbean Steam Navigation Co.....	Owner of vessel.
Tamarack IV.....	KFBW	300, 450, 600.....	PG-X	Dr. H. N. Torrey.....	R. C. A.
Tamesi.....	WTE	300, 450, 600.....	PG-X	Sinclair Navigation Co.....	Do.
Tamiahua.....	KDVA	300, 450, 600.....	PG-X	Southern Pacific Co.....	Owner of vessel.
Tampa.....	KOVX	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
Tampa.....	KVK	300, 450, 600.....	PG-N	Gulf & Southern S. S. Co.....	I. W. T. Co.
Tanamo.....	KVN	300, 450, 600, 706	PG-X	Sagamo S. S. Corp.....	
Tancarville.....	KUKM	300, 600.....	PG-X	Philippine Vegetable Oil Co.....	R. C. A.
Tartar.....	KEKS	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Tashmoo.....	KOXD	300, 600.....	PG-X	.....do.....	
Tavernilla.....	KEMT	300, 600.....	PG-X	Panama Canal.....	
Tecomate.....	KDST	300, 600.....	PG-X	Atlantic Gulf Oil Corp.....	
Tekoa.....	KOXF	300, 600.....	PG-X	U. S. S. B.....	
Tenafly.....	KOZF	300, 600.....	PG-N	.....do.....	
Terre Haute.....	KOPJ	300, 600.....	PG-X	.....do.....	
Texan.....	WKT	300, 600.....	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Texarkana.....	KOCD	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Texas.....	KUM	300, 600.....	PG-X	Texas Co.....	
The Angels.....	KUJB	300, 450, 600.....	PG-X	U. S. S. B.....	R. C. A.
The Harvester.....	WCR	300, 450, 600.....	PG-X	International Harvester Co.....	I. W. T. Co.
The Lambs.....	KEBZ	300, 450, 600.....	PG-X	U. S. S. B.....	
Theodore H. Wick-wire.....	KDZC	300, 600.....	PG-X	American S. S. Co.....	
Theodore H. Wick-wire, jr.....	KDUL	300, 600.....	PG-X	.....do.....	
Thomas Crowley.....	KDSD	300, 600.....	PG-X	Thomas Crowley.....	R. C. A.
Thomas H. Wheeler.....	KDOR	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	
Thomas P. Beal.....	KDTO	300, 600, 706.....	PG-X	Crowell & Thurlow S. S. Co.....	Owner of vessel.
Thorobred.....	KYZ	300, 600.....	PG-X	Dutee W. Flint.....	
"323".....	KDTH	300, 600.....	PG-X	John B. Paine.....	R. C. A.
Tiger.....	KIT	300, 450, 600.....	PG-X	Standard Transpn. Co.....	S. O. R. S.
Tillamook.....	WMOA	300, 600.....	PG-X	U. S. S. B.....	
Tillicum.....	KFIN	300, 600.....	PG-X	American Tug Boat Co.....	R. C. A.
Tionesta.....	WCA	300, 450, 600.....	PG-N	Great Lakes Transit Corp.....	T. R. T. Co.
Tivives.....	KMI	300, 450, 600, 706	PG-N	United Fruit S. S. Corp.....	
T. J. Williams.....	KDUR	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Toiler.....	WTOO	300, 600.....	PG-X	Thomas J. Howard.....	
Toledo Bridge.....	KOXG	300, 600.....	PG-X	U. S. S. B.....	I. W. T. Co.
Tollard.....	KEVX	300, 600.....	PG-X	.....do.....	S. O. R. S.
Tolosa.....	KDAY	300, 450, 600.....	PG-X	.....do.....	
Tomalva.....	KDFH	300, 450, 600.....	PG-X	.....do.....	
Tona.....	KOJX	300, 600.....	PG-X	.....do.....	
Tonawanda.....	KFDX	300, 450, 600.....	PG-X	Columbia River Packers Assn.....	Owner of vessel.
Tonesit.....	KOXX	300, 600.....	PG-X	U. S. S. B.....	
Toopi.....	KULP	300, 450, 600.....	PG-X	.....do.....	
Topa Topa.....	KDBB	300, 600.....	PG-X	.....do.....	
Topila.....	KKE	300, 450, 600.....	PG-X	Southern Pacific Co.....	Do.
Torres.....	KKF	300, 450, 600.....	PG-X	.....do.....	Do.
Totoco.....	KDSU	300, 600.....	PG-X	International Petroleum Co.....	R. C. A.
Transportation.....	KEJX	300, 600.....	PG-X	Coastwise Transpn. Co.....	
Traveller.....	KIVK	300, 600.....	PG-X	U. S. S. B.....	
Tri Mountain.....	KOQF	300, 600.....	PG-X	.....do.....	
Trinidadian.....	KNO	300, 600.....	PG-X	Gulf Refining Co.....	I. W. T. Co.
Trinity.....	KDBI	300, 600.....	PG-N	U. S. S. B.....	
Tripp.....	KIMC	300, 450, 600.....	PG-X	.....do.....	
Triumph.....	KEND	300, 450, 600.....	PG-X	.....do.....	
Tukanuck.....	KIMB	300, 600.....	PG-X	.....do.....	
Tuladi.....	KOXL	300, 450, 600.....	PG-X	.....do.....	
Tulsa.....	KIXR	300, 600.....	PG-X	.....do.....	R. C. A.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—CON.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Tulsagas.....	KDRZ	300, 600, 1800.	PG-X	U. S. S. B.....	S. O. R. S.
Turrialba.....	KDT	300, 600, 706.	PG-N	United Fruit S. S. Corp.....	T. R. T. Co.
Tuscaloosa City.....	KDLO	300, 600, 706.	PG-X	U. S. Steel Products Co.....	R. C. A.
Tuscan.....	KUDC	300, 450, 600.	PG-X	Merchants & Miners Transpn. Co.	I. W. T. Co.
Tustem.....	KDTW	300, 600, 1800.	PG-X	Atlantic Refining Co.....	R. C. A.
Tuxpanoil.....	KDPQ	300, 600, 1800.	PG-X	U. S. S. B.....	S. O. R. S.
Tyee.....	WPC	300, 600.....	PG-X	Skinner & Eddy Corp.....	Owner of vessel.
Ulysses.....	KPU	300, 600.....	PG-N	Panama R. R. Co.....	Do.
Undaunted.....	KDSJ	300, 600.....	PG-X	G. F. Matthews.....	
Unicor.....	KUQP	300, 450, 600.	PG-X	U. S. S. B.....	
Union Liberty.....	KUNG	300, 600.....	PG-X	do.....	Do.
United States.....	KZU	300, 450, 600..	PG-X	Peninsula & Northern Navigation Co.	
Utacarbon.....	KUMC	300, 450, 600..	PG-X	Union Oil Co.....	Do.
Vaba.....	KDIP	300, 600.....	PG-X	American-Italian S. S. Co.....	R. C. A.
Vacoil.....	KDXA	300, 600, 706.	PG-X	U. S. S. B.....	Do.
Vacuum.....	KUTS	300, 450, 600, 706	PG-X	Vacuum Oil Co.....	
Valdez.....	WAK	300, 600.....	PG-X	Alaska S. S. Co.....	S. O. R. S.
Vanada.....	KOBF	300, 450, 600..	PG-X	U. S. S. B.....	Do.
Van Camp No. II.....	KDAK	300, 600.....	PG-X	Fish Canners Co.....	Owner of vessel.
Velero II.....	WHV	300, 600, 1800.	PG-X	G. Allan Hancock.....	Do.
Venetia.....	WOV	300, 600.....	PG-X	John D. Spreckels.....	F. T. Co.
Venezuela.....	WBG	300, 600, 1800.	PG-N	Pacific Mail S. S. Co.....	Do.
Ventura.....	WHL	300, 600, 1800.	PG-N	Oceanic S. S. Co.....	R. C. A.
Vesta.....	KTS	300, 600.....	PG-X	Standard Transpn. Co.....	S. O. R. S.
Victoria.....	WAD	300, 600, 706.	PG-N	Alaska S. S. Co.....	R. C. A.
Victorious.....	WXIA	300, 450, 600..	PG-X	U. S. S. B.....	I. W. T. Co.
Vigilant.....	KOZP	300, 450, 600..	PG-X	E. K. Wood Lumber Co.....	Owner of vessel.
Viking.....	KDYC	300, 450, 600..	PG-X	George E. Billings.....	Do.
Vincennes Bridge.....	KOXM	300, 450, 600..	PG-X	U. S. S. B.....	
Vincent.....	KIZS	300, 450, 600..	PG-X	do.....	S. O. R. S.
Vinita.....	KOTL	300, 450, 600..	PG-X	do.....	R. C. A.
Virginia.....	KUV	300, 600.....	PG-X	Texas Co.....	I. W. T. Co.
Virginia Bridge.....	KUCF	300, 600.....	PG-X	U. S. S. B.....	
Virginia Express.....	KDJE	300, 450, 600..	PG-X	Richmond-New York S. S. Co.....	R. C. A.
Virginia Limited.....	WFL	300, 450, 600..	PG-X	do.....	Do.
Virginia Olson.....	KFHM	300, 600.....	PG-X	Oliver J. Olson.....	
Virginian.....	WKV	300, 450, 600..	PG-X	American-Hawaiian S. S. Co.....	United American Lines.
Vittorio Emmanuel III.....	KDJF	300, 450, 600..	PG-X	U. S. S. B.....	R. C. A.
Vizcaya.....	WSQ	706			
Volunteer.....	WFAO	300, 600.....	PG-X	Ynchausti S. S. Co.....	Do.
Von Steuben.....	KOXP	300, 600.....	PG-N	U. S. S. B.....	
Waban.....	KJT	300, 450, 600..	PG-X	do.....	
Wabash.....	WNC	300, 450, 600..	PG-X	do.....	Do.
Wachusett.....	WJL	300, 600.....	PG-X	North Atlantic & Western S. S. Co.....	
Waco.....	KIRP	300, 600.....	PG-X	U. S. S. B.....	
Wacosta.....	KDLM	300, 450, 600, 1800	PG-X	do.....	
Wahkeena.....	WMS	300, 600.....	PG-X	Chas. R. McCormick S. S. Co.....	Owner of vessel.
Waimea.....	KFGT	300, 450, 600, 706	PG-N	Los Angeles S. S. Co.....	R. C. A.
Wakulla.....	KRUO	300, 600.....	PG-N	U. S. S. B.....	
Walden.....	KIGG	300, 450, 600..	PG-X	do.....	
Wallingford.....	KEPV	300, 450, 600..	PG-X	McCormick S. S. Line.....	I. W. T. Co.
Wallkill.....	KIPD	300, 600.....	PG-X	U. S. S. B.....	Owner of vessel.
Wallula.....	WPY	300, 450, 600..	PG-X	Port of Portland, Oreg.....	S. O. R. S.
Walter A. Luckenbach.....	KJIE	300, 450, 600, 706, 1800	PG-X	Luckenbach S. S. Co.....	
Walter D. Munson.....	KVJ	300, 600.....	PG-X	Munson S. S. Co.....	R. C. A.
Walter D. Noyes.....	KDY	300, 600.....	PG-X	Crowell & Thurlow S. S. Co.....	Owner of vessel.
Walter Jennings.....	KDPL	300, 450, 600..	PG-X	Standard Oil Co. of N. J.....	R. C. A.
Wampum.....	KROI	300, 450, 600..	PG-X	U. S. S. B.....	
Wapama.....	WMG	300, 600.....	PG-N	Chas. R. McCormick S. S. Co.....	Owner of vessel.
Warbler.....	KDKR	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Ward.....	KDQB	300, 450, 600..	PG-X	do.....	
Warwick.....	KESX	300, 600, 1800.	PG-X	Union Oil Co.....	R. C. A.
Wasaga.....	KOPN	300, 600.....	PG-X	U. S. S. B.....	
Washington.....	KDRJ	300, 450, 600..	PG-N	Nicholas P. Antoniades.....	Do.
Washtenaw.....	WPOO	300, 600.....	PG-X	Union S. S. Co.....	F. T. Co.
Wassauic.....	KROO	300, 600.....	PG-X	U. S. S. B.....	
Watauga.....	WQT	300, 600.....	PG-X	do.....	
Waterbury.....	KUPT	300, 450, 600..	PG-X	do.....	
Watertown.....	KING	300, 600.....	PG-X	do.....	
Wathena.....	WDIE	300, 600.....	PG-X	do.....	
Watowwan.....	WDII	300, 600.....	PG-X	do.....	
Waubesa.....	WGOO	300, 450, 600..	PG-X	do.....	
Wauconda.....	WREE	300, 600.....	PG-X	do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Waukau.....	KIDV	300, 600.....	PG-N	U. S. S. B.....	
Waukegan.....	KIDX	300, 450, 600.....	PG-X	.....do.....	S. O. R. S.
Waukesha.....	KKEO	300, 450, 600.....	PG-X	.....do.....	
Wauwatosa.....	KUCK	300, 450, 600.....	PG-X	.....do.....	
Wawalona.....	KEXM	300, 450, 600.....	PG-X	.....do.....	R. C. A.
Waxahachie.....	KILM	300, 600.....	PG-X	.....do.....	
W. B. Keene.....	KWK	300, 600.....	PG-X	Savannah-New York Transpn. Co.	Do.
W. C. Teagle.....	KTY	300, 450, 600.....	PG-X	Standard Oil Co. of N. J.....	Do.
W. E. Hutton.....	KUMN	300, 450, 600.....	PG-X	Pure Oil S. S. Co.....	Do.
Weikiwa.....	KIXX	300, 450, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Wellington.....	KMR	300, 450, 600.....	PG-X	Brooks-Scanlon Corp.....	R. C. A.
West Africa.....	WZOA	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
West Alcoz.....	KIDD	300, 600.....	PG-X	.....do.....	
West Alsiek.....	KJUO	300, 600.....	PG-N	.....do.....	
West Amargosa.....	KEJS	300, 600.....	PG-X	.....do.....	
West Apaum.....	KJUU	300, 450, 600.....	PG-X	.....do.....	
West Arrow.....	WKS	300, 600.....	PG-X	.....do.....	
West Ashawa.....	KFH	300, 600.....	PG-X	.....do.....	
West Avenal.....	KENG	300, 450, 600.....	PG-X	.....do.....	
Westboro.....	KDJH	300, 450, 600.....	PG-X	.....do.....	
West Bridge.....	KJOO	300, 600.....	PG-X	.....do.....	
Westbrook.....	WLJ	300, 600.....	PG-X	.....do.....	
West Cactus.....	KIVV	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
West Caddoa.....	KODF	300, 450, 600.....	PG-X	.....do.....	Do.
West Cadron.....	KUDK	300, 600.....	PG-X	.....do.....	Do.
West Cahokia.....	KUPJ	300, 450, 600.....	PG-X	.....do.....	R. C. A.
West Cajoot.....	KEXX	300, 600.....	PG-X	.....do.....	
West Calera.....	KUMM	300, 450, 600.....	PG-X	.....do.....	
West Columb.....	KILT	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
West Camak.....	KUST	300, 450, 600.....	PG-X	.....do.....	R. C. A.
West Camargo.....	KDBL	300, 450, 600.....	PG-X	.....do.....	
West Campgaw.....	KUFR	300, 450, 600.....	PG-X	.....do.....	
West Canon.....	KDCV	300, 600, 1800.....	PG-X	.....do.....	S. O. R. S.
West Cape.....	WXEO	300, 600.....	PG-N	.....do.....	
West Carmona.....	KDFW	300, 600.....	PG-X	.....do.....	
West Carnifax.....	KEFC	300, 450, 600.....	PG-X	.....do.....	
West Catanae.....	KEE	300, 450, 600.....	PG-X	Elder Steel S. S. Co.....	I. W. T. Co.
West Cawthon.....	KILZ	300, 450, 600, 706	PG-X	U. S. S. B.....	R. C. A.
West Cayote.....	KIRF	300, 450, 600.....	PG-X	.....do.....	Do.
West Celeron.....	KKJ	300, 450, 600.....	PG-X	.....do.....	Do.
West Celina.....	KEZR	300, 450, 600, 706	PG-X	.....do.....	
West Chatala.....	KIPJ	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
West Cherow.....	KJM	300, 600.....	PG-X	.....do.....	R. C. A.
Westchester.....	WCL	300, 600.....	PG-X	.....do.....	
West Cheswald.....	KIXB	300, 450, 600.....	PG-X	.....do.....	
West Chetac.....	KIMG	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
West Chopaka.....	KDVH	300, 600, 1800.....	PG-X	.....do.....	S. O. R. S.
West Coast.....	KRAA	300, 600.....	PG-N	.....do.....	Do.
West Cobalt.....	KEKD	300, 450, 600.....	PG-X	.....do.....	I. W. T. Co.
West Cohas.....	KNAE	300, 450, 600.....	PG-X	.....do.....	S. O. R. S.
West Compo.....	KENJ	300, 450, 600.....	PG-X	.....do.....	
West Conob.....	KIFP	300, 600.....	PG-X	.....do.....	
West Corum.....	KEVD	300, 450, 600.....	PG-X	.....do.....	
West Cressy.....	WGOU	300, 450, 600.....	PG-X	.....do.....	
West Cusseta.....	KDIK	300, 450, 600, 1800	PG-X	.....do.....	
West Durfee.....	KJAI	300, 450, 600.....	PG-X	.....do.....	
West Eagle.....	WQZ	300, 600.....	PG-N	.....do.....	
West Ekkon.....	KQIU	300, 600.....	PG-X	.....do.....	
West Elcajon.....	KELK	300, 450, 600.....	PG-X	.....do.....	
West Elecaso.....	WJOA	300, 450, 600.....	PG-X	.....do.....	
West Eldara.....	WJOE	300, 450, 600, 706	PG-X	.....do.....	
Western Ally.....	KEJF	300, 600.....	PG-N	.....do.....	
Western Belle.....	WKUI	300, 600.....	PG-N	.....do.....	
Western Chief.....	KNAO	300, 600.....	PG-X	.....do.....	
Western City.....	KNAI	300, 600.....	PG-X	.....do.....	
Western Comet.....	WXEI	300, 450, 600.....	PG-X	.....do.....	
Western Cross.....	KTEE	300, 600.....	PG-N	.....do.....	
Westerner.....	KIK	300, 450, 600.....	PG-X	.....do.....	
Western Glen.....	KEDR	300, 450, 600.....	PG-X	.....do.....	
Western Hero.....	KIU	300, 450, 600.....	PG-X	.....do.....	
Western Hope.....	WFIA	300, 450, 600.....	PG-X	.....do.....	
Western King.....	WEP	300, 450, 600.....	PG-N	.....do.....	
Western Knight.....	KEFQ	300, 450, 600.....	PG-X	.....do.....	
Western Light.....	KQOI	300, 450, 600.....	PG-X	.....do.....	
Western Maid.....	KQOO	300, 450, 600.....	PG-N	.....do.....	
Western Ocean.....	KJEA	300, 600.....	PG-N	.....do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
Western Plains.....	WZIU	300, 450, 600..	PG-X	U. S. S. B.....	
Western Pride.....	WGT	300, 600.....	PG-X	do.....	
Western Queen.....	WWK	300, 600.....	PG-X	do.....	
Western Scout.....	WXEA	300, 450, 600..	PG-X	do.....	
Western Sea.....	KNAA	300, 600.....	PG-X	do.....	
Western Spirit.....	KNEA	300, 600.....	PG-X	do.....	
Western Star.....	WEU	300, 600.....	PG-X	do.....	
Western States.....	WED	300, 450, 600..	PG-N	Detroit & Cleveland Nav. Co.	R. C. A.
Western Wave.....	WWC	300, 600.....	PG-X	U. S. S. B.....	S. O. R. S.
Western World.....	KDYI	300, 450, 600..	PG-X	do.....	Do.
West Erral.....	KERJ	300, 450, 600..	PG-X	do.....	
West Faralon.....	KDSX	300, 600, 1800..	PG-X	do.....	
Westfield.....	KXU	300, 600.....	PG-X	do.....	
Westford.....	KNAU	300, 600.....	PG-X	do.....	
West Galeta.....	WFAE	300, 600.....	PG-X	do.....	
West Galoc.....	KVEI	300, 600.....	PG-X	do.....	
West Gumbo.....	KQUU	300, 450, 600..	PG-X	do.....	
West Gotomaska.....	WET	300, 450, 600..	PG-X	do.....	
West Grama.....	WGIA	300, 600.....	PG-N	do.....	
West Greylock.....	KDTV	300, 450, 600, 1800	PG-X	Frank V. Barns.	S. O. R. S.
West Grove.....	KJAU	300, 450, 600..	PG-X	U. S. S. B.....	
Westhampton.....	WSP	300, 600.....	PG-X	do.....	
West Harcunvar.....	KEZM	300, 600.....	PG-X	do.....	
West Hardaway.....	KEDX	300, 450, 600..	PG-X	do.....	
West Hargrave.....	KEDZ	300, 600.....	PG-X	do.....	
West Harlan.....	KEFS	300, 450, 600..	PG-X	do.....	
West Harshaw.....	KEFX	300, 450, 600..	PG-X	do.....	
West Hartland.....	KEGS	300, 450, 600..	PG-X	do.....	
West Hartley.....	KEGT	300, 600.....	PG-X	do.....	
West Harts.....	KEFZ	300, 600.....	PG-X	do.....	
West Hassayampa.....	KEGX	300, 600.....	PG-X	do.....	
West Haven.....	KJV	300, 600, 706..	PG-X	do.....	
West Helix.....	WSUA	300, 450, 600..	PG-X	do.....	
West Hematite.....	KEZP	300, 450, 600..	PG-N	do.....	
West Hembrie.....	KEZN	300, 450, 600..	PG-X	do.....	
West Henshaw.....	KEBQ	300, 600.....	PG-X	do.....	
West Hepburn.....	KINP	300, 600.....	PG-X	do.....	
West Hesselteine.....	KOTN	300, 450, 600..	PG-X	do.....	
West Hika.....	KOZK	300, 600.....	PG-X	do.....	
West Hinrod.....	KUDQ	300, 600.....	PG-X	do.....	
West Hixton.....	KUKV	300, 600.....	PG-X	do.....	
West Hobomac.....	WFAI	300, 450, 600..	PG-X	do.....	
West Hoibrook.....	KUXB	300, 450, 600..	PG-X	do.....	
West Honaker.....	KDFX	300, 450, 600, 1800	PG-X	do.....	
West Hosokie.....	WFEI	300, 600.....	PG-N	do.....	
West Humhaw.....	WZAE	300, 450, 600..	PG-X	do.....	
West Imboden.....	KECX	300, 450, 600..	PG-X	do.....	
West Indian.....	KJAE	300, 600.....	PG-X	do.....	
West Inskip.....	KITZ	300, 450, 600, 706	PG-X	do.....	Do.
West Ira.....	KOGL	300, 450, 600..	PG-X	do.....	
West Irmo.....	KIFB	300, 450, 600, 706	PG-X	do.....	I. W. T. Co.
West Isleta.....	KICQ	300, 600, 706..	PG-X	do.....	
West Islip.....	KIKX	300, 600.....	PG-X	do.....	
West Ison.....	KINN	300, 600.....	PG-X	do.....	
West Ivan.....	KOZS	300, 600.....	PG-X	do.....	
West Ivis.....	KOQQ	300, 450, 600..	PG-X	do.....	
West Jaffrey.....	KOCX	300, 450, 600..	PG-X	do.....	
West Jappa.....	KUKJ	300, 450, 600..	PG-X	do.....	
West Jena.....	KOTG	300, 450, 600..	PG-X	do.....	
West Jessup.....	KOXS	300, 450, 600..	PG-X	do.....	
West Jester.....	KUDG	300, 450, 600, 706	PG-X	do.....	
West Kader.....	KOSL	300, 600.....	PG-X	do.....	S. O. R. S.
West Kasson.....	KIKM	300, 450, 600..	PG-X	do.....	I. W. T. Co.
West Katan.....	KOBK	300, 450, 600..	PG-X	do.....	R. C. A.
West Keats.....	KUQK	300, 450, 600..	PG-X	do.....	S. O. R. S.
West Kebar.....	KDAN	300, 450, 600, 1800	PG-X	do.....	Do.
West Kedron.....	KDAP	300, 450, 600..	PG-X	do.....	I. W. T. Co.
West Keene.....	KISK	300, 450, 600..	PG-X	do.....	R. C. A.
West Kyska.....	WJOU	300, 600.....	PG-X	do.....	S. O. R. S.
West Lake.....	WTHI	300, 450, 600, 706	PG-N	do.....	
Westland.....	KDOY	300, 600.....	PG-X	Tri-State S. S. Co.	R. C. A.
Westland.....	KJX	300, 450, 600..	PG-X	U. S. S. B.....	
West Lashaway.....	WREA	300, 600.....	PG-X	do.....	
West Lianua.....	KJAO	300, 600.....	PG-X	do.....	S. O. R. S.
West Loquassuck.....	WJOI	300, 450, 600..	PG-X	do.....	

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
West Madaket.	WJOO	300, 600, . . .	PG-N	U. S. S. B.	
West Mahomet.	WTUU	300, 450, 600, . . .	PG-X	do.	S. O. R. S.
West Mahwah.	KUTC	300, 450, 600, . . .	PG-X	do.	I. W. T. Co.
West Maximus.	KEDQ	300, 450, 600, . . .	PG-X	do.	
Westmead.	WDIO	300, 600, . . .	PG-X	do.	
West Mingo.	KORB	300, 600, . . .	PG-X	do.	
West Modus.	KENK	300, 450, 600, . . .	PG-X	do.	
West Montop.	KOTR	300, 600, . . .	PG-X	do.	
Westmoreland.	KIQC	300, 600, . . .	PG-N	do.	
Westmount.	KDJG	300, 600, . . .	PG-X	do.	
West Munham.	KEXF	300, 450, 600, . . .	PG-X	do.	R. C. A.
West Neris.	KOTK	300, 450, 600, . . .	PG-X	do.	I. W. T. Co.
West Niger.	KOZJ	300, 450, 600, . . .	PG-X	do.	R. C. A.
West Nilus.	KUFJ	300, 450, 600, . . .	PG-X	do.	
West Nivaria.	KUQJ	300, 450, 600, . . .	PG-X	do.	I. W. T. Co.
West Nohno.	KEXG	300, 450, 600, . . .	PG-X	do.	R. C. A.
West Nomentum.	KUSG	300, 450, 600, . . .	PG-X	do.	I. W. T. Co.
West Norranus.	KUVZ	300, 450, 600, . . .	PG-X	do.	R. C. A.
West Nosska.	KEDV	300, 450, 600, . . . 706	PG-X	do.	
West Notus.	KDAM	300, 600, . . .	PG-X	do.	S. O. R. S.
Westoil.	KIVP	300, 600, . . .	PG-X	Waukau Transit Co.	Do.
West O'Rowa.	KDQI	300, 600, 1800	PG-X	U. S. S. B.	
West Pocasset.	KOCK	300, 600, . . .	PG-X	do.	
West Point.	KJY	300, 450, 600, . . .	PG-N	do.	
Westpool.	WROA	300, 450, 600, . . .	PG-N	do.	
Westport.	WFEO	300, 450, 600, . . .	PG-X	do.	R. C. A.
West Prospect.	KDUK	300, 450, 600, 1800	PG-X	do.	S. O. R. S.
West Quechee.	KEDT	300, 450, 600, . . .	PG-N	do.	R. C. A.
West Raritans.	KIXC	300, 600, . . .	PG-X	do.	
West Saginaw.	KOCV	300, 450, 600, . . .	PG-X	do.	Do.
West Segovia.	KIPK	300, 450, 600, . . .	PG-X	do.	I. W. T. Co.
West Selene.	KIXZ	300, 600, . . .	PG-X	do.	
West Sequana.	WSOI	300, 450, 600, 706	PG-X	do.	Do.
West Shore.	WMD	300, 450, 600, . . .	PG-X	do.	R. C. A.
West Tacook.	KECR	300, 450, 600, . . .	PG-X	do.	I. W. T. Co.
West Togus.	KEXJ	300, 600, 1800	PG-X	do.	
West Totant.	KEXK	300, 450, 600, . . .	PG-X	do.	R. C. A.
West Vaca.	KEMX	300, 600, . . .	PG-X	do.	
West View.	WDIU	300, 450, 600, . . .	PG-N	do.	
Westward Ho.	WKX	300, 450, 600, . . .	PG-X	do.	
West Wauna.	WSUE	300, 450, 600, . . .	PG-X	do.	
West Wauneka.	WSUI	300, 600, . . .	PG-X	do.	S. O. R. S.
Westwego.	KGE	300, 450, 600, . . .	PG-X	Union Petroleum S. S. Co.	R. C. A.
West Wind.	KJH	300, 600, . . .	PG-X	U. S. B.	
Westwood.	WTF	300, 450, 600, . . .	PG-N	do.	
West Zeda.	WKUU	300, 450, 600, . . .	PG-X	do.	
West Zucker.	WJIA	300, 600, . . .	PG-X	do.	
West Zula.	WQEO	300, 600, . . .	PG-X	do.	
W. F. Burdell.	KUCQ	300, 450, 600, . . .	PG-X	Pure Oil S. S. Co.	Do.
W. F. Burrows.	WHG	300, 450, 600, . . .	PG-X	Libby, McNeill & Libby	Owner of vessel.
W. F. White.	WGC	300, 600, . . .	PG-X	Limestone Transpn. Co.	
Wheatland Montana.	KISF	300, 450, 600, . . .	PG-X	U. S. S. B.	R. C. A.
Wheaton.	WMUA	300, 450, 600, . . .	PG-X	do.	Do.
Wheeling Mold.	KUNM	300, 450, 600, . . .	PG-X	do.	
Whitemarsh.	KOMG	300, 600, . . .	PG-X	E. J. Stotesbury	Owner of vessel.
Whitney Olson.	KFGS	300, 600, . . .	PG-X	Oliver J. Olson & Co.	Do.
W. H. Libby.	KDMP	300, 450, 600, . . .	PG-X	Standard Oil Co. of N. J.	R. C. A.
W. H. McGean.	WMIO	300, 600, . . .	PG-X	Pioneer S. S. Co.	Do.
W. H. Tilford.	KPD	300, 450, 600, . . .	PG-X	Standard Oil Co. of N. J.	Do.
Wicasts.	KIJG	300, 600, . . .	PG-X	U. S. S. B.	
Wichita.	KDMU	300, 600, . . .	PG-X	do.	
Wildwood.	KORV	300, 450, 600, . . .	PG-X	do.	S. O. R. S.
Wilhelmina.	WMO	300, 450, 600, . . .	PG-N	Matson Navigation Co.	R. C. A.
Willamette.	WSW	300, 600, . . .	PG-N	Chas. R. McCormick S. S. Co.	Owner of vessel.
Willapa.	WPK	300, 600, . . .	PG-X	Hart-Wood Lumber Co.	Do.
Willett.	KDKS	300, 600, . . .	PG-X	U. S. S. B.	S. O. R. S.
Willaro.	KITX	300, 600, . . .	PG-X	Williams S. S. Co.	R. C. A.
Willihilo.	KUGV	300, 450, 600, . . .	PG-X	do.	Do.
William A. Mc Kenney.	WOM	300, 450, 600, . . .	PG-X	Crowell & Thurlow S. S. Co.	Owner of vessel.
William A. Paine.	KDXZ	300, 600, . . .	PG-X	Pioneer S. S. Co.	R. C. A.
William A. Reiss.	WNI	300, 600, . . .	PG-X	Reiss S. S. Co.	Do.
William C. Agnew.	KFCF	300, 600, . . .	PG-X	American S. S. Co.	Owner of vessel.
William Campion.	KDAZ	300, 450, 600, . . .	PG-X	Garland S. S. Corp.	R. C. A.
William G. Mather.	KKUI	300, 450, 600, . . .	PG-X	Cleveland Cliffs Iron Co.	Do.
William Green.	WIY	300, 450, 600, . . .	PG-X	Pan-American Petroleum & Transport Co.	Do.

## COMMERCIAL SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Vessel.	Call signal.	Wave lengths.	Service and hours.	Owner of vessel.	Station controlled by—
William H. Doheny.	KDKG	300, 450, 600...	PG-X	Pan-American Petroleum & Transport Co.	R. C. A.
William H. Webb.	KOZV	300, 600...	PG-X	U. S. S. B.	
William Isom.	KVY	300, 600...	PG-X	Cuba Distilling Co.	Do.
William N. Page.	WFOO	300, 450, 600...	PG-X	Castner, Curran & Bullitt.	
William Penn.	KDGV	300, 600...	PG-X	U. S. S. B.	S. O. R. S.
William Perkins.	KICP	300, 450, 600...	PG-X	Garland S. S. Corp.	R. C. A.
William T. Roberts.	KDUJ	300, 600...	PG-X	American S. S. Co.	
Willimantic.	KMIO	300, 450, 600...	PG-X	U. S. S. B.	
Willpolo.	KOBM	300, 600, 706...	PG-X	Williams S. S. Co. (Inc.)	Do.
Wilsolo.	KUDL	300, 450, 600...	PG-X	do.	Do.
Wilscox.	WPAO	300, 600...	PG-X	U. S. S. B.	
Windber.	WND	300, 450, 600...	PG-N	Pacific-American Fisheries.	
Winding Gulf.	WFEE	300, 600...	PG-X	Castner, Curren & Bullitt.	I. W. T. Co.
Winifred.	KTE	300, 600...	PG-X	Gulf Refining Co.	Do.
Winnebago.	KTEI	300, 450, 600...	PG-X	American Transatlantic Co.	Do.
Winneconne.	KDFY	300, 600...	PG-X	Winneconne S. S. Corp.	Do.
Winona.	KUNV	300, 450, 600...	PG-X	U. S. S. B.	R. C. A.
		706			
Winona County.	KIZR	300, 450, 600...	PG-N	do.	
Winston-Salem.	KUJS	300, 600...	PG-X	do.	
Winyah.	KIMM	300, 450, 600...	PG-X	do.	
Wisconsin Bridge.	KIBM	300, 600...	PG-X	American S. S. Corp.	Owner of vessel.
Wisdom II.	KDNM	300, 600...	PG-X	E. A. Salisbury	S. O. R. S.
Wishkah.	KNEU	300, 600...	PG-X	U. S. S. B.	I. W. T. Co.
Wisla.	KOTP	300, 600...	PG-X	Wisla S. S. Corp.	
W. J. Crosby.	WXOE	300, 450, 600...	PG-X	North Shore Transit Co.	R. C. A.
W. J. Hanna.	KDKX	300, 450, 600...	PG-X	Standard Oil Co. of N. J.	Do.
W. L. Connelly.	KQB	300, 450, 600...	PG-X	Sinclair Gulf Corp.	Do.
W. L. Steed.	WSEE	300, 450, 600...	PG-X	Pan-American Petroleum & Transport Co.	Do.
W. Boyce Thompson.	KDHS	300, 600...	PG-N	Sinclair Navigation Co.	
W. M. Burton.	KMIU	300, 600...	PG-X	Atlantic Refining Co.	
Wm. F. Herrin.	WTN	300, 600, 1800...	PG-X	Associated Oil Co.	F. T. Co.
Wm. G. Howard.	KIST	300, 600...	PG-X	Thomas J. Howard	T. W. T. Co.
Wm. G. Warden.	KNR	300, 450, 600...	PG-X	Standard Oil Co. of N. J.	R. C. A.
W. M. Irish.	KJOE	300, 600...	PG-X	Atlantic Refining Co.	Do.
Wm. Rockefeller.	KDVI	300, 450, 600...	PG-X	Standard Oil Co. of N. J.	Do.
W. M. Tupper.	WJR	300, 600...	PG-X	Gulf & Southern S. S. Co.	
Woodmansie.	KIFP	300, 450, 600...	PG-X	U. S. S. B.	
Wogo.	KDWM	300, 600...	PG-X	Claude Nolan	Owner of vessel.
Woonsocket.	WCW	300, 450, 600...	PG-X	U. S. S. B.	
Worcester.	KIKL	300, 600...	PG-X	do.	
Worrell Clarkson.	KFHK	300, 600...	PG-X	Kinsman Transit Co.	R. C. A.
W. R. Chamberlain, jr.	WHS	300, 600...	PG-X	W. R. Chamberlain	I. W. T. Co.
W. S. Miller.	KDMR	300, 450, 600...	PG-X	Standard Oil Co. of N. J.	R. C. A.
		706			
W. S. Porter.	WTM	300, 600, 1800...	PG-X	Associated Oil Co.	F. T. Co.
W. S. Rheem.	KDWPM	300, 600...	PG-X	Standard Oil Co. of Calif.	R. C. A.
W. W. Mills.	KDSS	300, 450, 600...	PG-X	Pure Oil S. S. Co.	Do.
Wyandotte.	WCO	300, 600...	PG-X	Wyandotte Transpn/Co.	Do.
Wyandotte.	WJW	300, 450, 600...	PG-N	U. S. S. B.	
Wynooche.	KFE	300, 600...	PG-X	do.	
Wytheville.	KITL	300, 450, 600...	PG-X	do.	
Yaka.	KDDF	300, 450, 600...	PG-X	do.	
Yaklok.	KIGX	300, 450, 600...	PG-X	do.	
Yale.	WRY	300, 600...	PG-N	Los Angeles S. S. Co.	F. T. Co.
Yalza.	KDJK	300, 600, 1800...	PG-X	U. S. S. B.	R. C. A.
Yankee Arrow.	KDTG	300, 600...	PG-X	Standard Transpn. Co.	
Yapalaga.	KDHK	300, 450, 600...	PG-X	U. S. S. B.	
Yesoking.	KERQ	300, 600...	PG-X	do.	
Yomachichi.	WPAI	300, 600...	PG-X	do.	
Yorba Linda.	KDNS	300, 600, 1800...	PG-X	General Petroleum Corp.	I. W. T. Co.
York Harbor.	KOJB	300, 600...	PG-X	U. S. S. B.	Do.
Yosemite.	KDWE	300, 600...	PG-X	Pope and Talbot	S. O. R. S.
Yosemite.	KYS	300, 450, 600...	PG-X	U. S. S. B.	Do.
Youngstown.	KIFX	300, 450, 600...	PG-X	do.	I. W. T. Co.
Yucatan.	WLG	300, 600...	PG-N	New York & Cuba Mail S. S. Co.	
Yucca.	KWI	300, 600...	PG-X	U. S. S. B.	
Yukon.	WXEU	300, 600...	PG-N	do.	
Yuma.	WJAI	300, 600, 705...	PG-X	Di Giorgio Fruit Corp.	T. R. T. Co.
Zacapa.	KLE	300, 450, 600...	PG-N	United Fruit S. S. Corp.	S. O. R. S.
Zapora.	WPQ	300, 600...	PG-X	Booth Fisheries Co.	I. W. T. Co.
Zaremba.	KICS	300, 450, 600...	PG-X	U. S. S. B.	
		706			
Zirkel.	WREO	300, 600...	PG-X	do.	
Zulia.	KDZ	300, 450, 600...	PG-N	Atlantic & Caribbean Steam Navigation Co.	R. C. A.
		706			

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Station.	Call signal.	Station.		
KDA	Philadelphia.....	.b	KDDE	Lorraine Cross.....	.b
KDAC	Sinasta.....	.b	KDDF	Yaka.....	.b
KDAD	Agewisun.....	.b	KDDH	Sumanco.....	.b
KDAF	Peconic.....	.b	KDDI	Sutermco.....	.b
KDAG	M. M. Davis.....	.b	KDDJ	John Englis.....	.b
KDAH	Fairport, Va.....	.c	KDDK	Carlton.....	.b
KDAK	Van Camp No. II.....	.b	KDDL	Hastings.....	.b
KDAM	West Notus.....	.b	KDDM	Carenco.....	.b
KDAN	West Kebar.....	.b	KDDN	Steel Exporter.....	.b
KDAP	West Kedron.....	.b	KDDO	Suduffco.....	.b
KDAR	President Monroe.....	.b	KDDP	Surico.....	.b
KDAS	Siskiyou.....	.b	KDDDQ	Susherico.....	.b
KDAT	Pomona.....	.b	KDDR	Halsey.....	.b
KDAV	Dartford.....	.b	KDDS	Stockton.....	.b
KDAW	City of Fort Worth.....	.b	KDDT	Derblay.....	.b
KDAX	Antinous.....	.b	KDDU	Heber.....	.b
KDAY	Tolosa.....	.b	KDDV	Culberson.....	.b
KDAZ	William Campion.....	.b	KDDY	Santa Eulalia.....	.b
KDB	Caracas.....	.b	KDDZ	Cassimir.....	.b
KDBA	Depere.....	.b	KDE	Carrillo.....	.b
KDBB	Topa Topa.....	.b	KDEA	Lake Fernwood.....	.b
KDBC	Agwimoon.....	.b	KDEB	Gulfstar.....	.b
KDBF	Eagle.....	.b	KDEC	Syros.....	.b
KDBG	Edris.....	.b	KDED	Lena Luckenbach.....	.b
KDBH	Forest King.....	.b	KDEM	Baytown.....	.b
KDBI	Trinity.....	.b	KDEN	Dearborn, Mich.....	.c
KDBJ	Steel Worker.....	.b	KDEP	Northville, Mich.....	.c
KDBK	Maud F.....	.b	KDEQ	Commercial Spirit.....	.b
KDBL	West Varmargo.....	.b	KDER	Carrabulle.....	.b
KDBM	Meton.....	.b	KDES	Carpilaka.....	.b
KDBN	Cananova.....	.b	KDET	Geo. L. Harvey.....	.b
KDBP	Chester Kiwanis.....	.b	KDEV	Gladysbe.....	.b
KDBQ	Sutorpeo.....	.b	KDEW	Philip Publicker.....	.b
KDBR	Sunewco.....	.b	KDEX	Cody.....	.b
KDBS	Surailco.....	.b	KDEY	Sudurco.....	.b
KDBT	Durango.....	.b	KDEZ	Eastern Temple.....	.b
KDBU	Haymon.....	.b	KDF	Coppename.....	.b
KDBV	Santa Isabel.....	.b	KDFA	Hyder, Alaska.....	.b
KDBW	Sawokla.....	.b	KDFB	New Orleans.....	.b
KDBX	Mount Clay.....	.b	KDFC	Potter.....	.b
KDBY	Albert Jeffress.....	.b	KDFD	Gateway City.....	.b
KDBZ	Charles R. McCormick.....	.b	KDFE	Provincetown.....	.b
KDC	Laramie, Wyo.....	.c	KDFG	Castana.....	.b
KDCA	Hybert.....	.b	KDFH	Catahoula.....	.b
KDCB	Sapulpa.....	.b	KDFI	Tomalva.....	.b
KCDC	James Otis.....	.b	KDFJ	Sulanierco.....	.b
KDCE	Mobile City.....	.b	KDFK	Sudawsonco.....	.b
KDCF	Rotarian.....	.b	KDFM	Suscolanco.....	.b
KDCG	Independence Hall.....	.b	KDFQ	Manatawny.....	.b
KDCH	Pachet.....	.b	KDFR	Halway.....	.b
KDCI	President Fillmore.....	.b	KDFS	Hannawa.....	.b
KDCJ	Egeria.....	.b	KDFT	Janelew.....	.b
KDCK	Delivery No. 5.....	.b	KDFU	Mursa.....	.b
KDCL	George Washington.....	.b	KDFV	Jeptha.....	.b
KDCM	President Cleveland.....	.b	KDFW	Lavada.....	.b
KDCN	Atlanta of Texas.....	.b	KDFX	West Carmona.....	.b
KDCO	Houston.....	.b	KDFY	West Honaker.....	.b
KDCP	Halo.....	.b	KDFZ	Winneconne.....	.b
KDCQ	Mosella.....	.b	KDG	East Hampton.....	.b
KDCR	Haynie.....	.b	KDGA	Parismina.....	.b
KDCS	Hollywood.....	.b	KDGD	Hera.....	.b
KDCT	Palo Alto.....	.b	KDGK	Loki.....	.b
KDCU	Mevania.....	.b	KDGL	Bayou Chico.....	.b
KDCV	West Canon.....	.b	KDGM	Steel Ranger.....	.b
KDCW	Jalapa.....	.b	KDGN	John Stevens.....	.b
KDCX	Steel Engineer.....	.b	KDGO	Donna Lane.....	.b
KDCY	Surinam.....	.b	KDGP	Clement Smith.....	.b
KDCZ	Mount Vernon.....	.b	KDGQ	Muskegon.....	.b
KDD	Cartago.....	.b	KDGR	Elisha Walker.....	.b
KDDA	Commercial Traveler.....	.b	KDGS	Lake Gano.....	.b
KDBB	I. C. White.....	.b	KDGU	City of Rayville.....	.b
KDDC	Algic.....	.b		Quincy, Mass.....	.c

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KDGV	William Penn	b	KDKM	Natirar.....
KDGW	China Arrow.....	b	KDKN	Dinsmore.....
KDGX	Bonnie Brook.....	b	KDKP	Bodie Gatun.....
KDGY	Kekoskee.....	b	KDKQ	Rodman Swift.....
KDGZ	Nora.....	b	KDKR	Warbler.....
KDH	Heredia.....	b	KDKS	Willett.....
KDHA	Suricho.....	b	KDKT	El Estero.....
KDHB	Suremico.....	b	KDKU	Dan F. Hanlon.....
KDHC	Harvester.....	b	KDKX	W. J. Hanna.....
KDHD	Edgar F. Coney.....	b	KDKY	Peacock.....
KDHF	President Van Buren.....	b	KDL	Levisa.....
KDHG	Pagasset.....	b	KDLA	Charlie Watson.....
KDHH	Charles H. Cramp.....	b	KDLB	President Hayes.....
KDHI	Intrepid.....	b	KDLC	Pearlton.....
KDHJ	Bibbco.....	b	KLDL	Suwarinco.....
KDHK	Yapalaga.....	b	KDLE	Suwordenco.....
KDHL	Argosy.....	b	KDLF	Sujameco.....
KDHO	Japan Arrow.....	b	KDLG	Reaper.....
KDHP	India Arrow.....	b	KDLH	Franklin K. Lane.....
KDHQ	Java Arrow.....	b	KDLJ	Artemis.....
KDHR	J. Fletcher Farrell.....	b	KDLK	Cuba.....
KDHS	Wm. Boyce Thompson.....	b	KDLL	A. L. Kent.....
KDHT	Santa Veronica.....	b	KDLM	Wacosta.....
KDHU	Lilmae.....	b	KDLN	Henry S. Grove.....
KDHX	A. A. Daugherty.....	b	KDLO	Tuscaloosa City.....
KDHY	Eastern Leader.....	b	KDLS	Sugillenco.....
KDHZ	Dawn.....	b	KDLT	George Pierce.....
KDI	Abangarez.....	b	KDLU	Blue Point.....
KDID	Oduna.....	b	KDLW	Herman Frasch.....
KDIF	Hanley.....	b	KDLX	Mary Luckenbach.....
KDIG	Narbo.....	b	KDM	Maracaibo.....
KDIH	Narcissus.....	b	KDMA	Eugen V. R. Thayer.....
KDIJ	Cuprum.....	b	KDMB	Aggisea.....
KDIK	West Cussetta.....	b	KDMC	Agwimars.....
KDIL	Griffdu.....	b	KDMD	Agwiworld.....
KDIN	Colon H. Livingstone.....	b	KDME	Moffitt.....
KDIP	Vaba.....	b	KDMG	Estrada Palma.....
KDIQ	Cedarhurst.....	b	KDMH	Memnon.....
KDIR	Lake Ontario.....	b	KDMI	Namasket.....
KDIS	Cascade.....	b	KDMJ	Peralta.....
KDIT	Lake Superior.....	b	KDML	S. C. T. Dodd.....
KDIV	Olympic.....	b	KDMM	Nacata.....
KDIW	Lake Weir.....	b	KDMN	John Worthington.....
KDIX	Lakeview.....	b	KDMO	Muriel.....
KDIY	El Cicutá.....	b	KDMP	W. H. Libby.....
KDIZ	Lake George.....	b	KDMQ	President Harrison.....
KDJ	San Jose.....	b	KDMR	W. S. Miller.....
KDJB	Fort George.....	b	KDMS	Samuel L. Fuller.....
KDJC	Lakewood.....	b	KDMT	Joseph M. Cudahy.....
KDJD	Lake Traverse.....	b	KDMU	Wichita.....
KDJE	Virginia Express.....	b	KDMV	City of Elwood.....
KDJF	Vittorio Emmanuel III.....	b	KDMY	F. J. Reilly.....
KDJG	Westmount.....	b	KDMZ	District of Columbia.....
KDJH	Westboro.....	b	KDNA	El Isleo.....
KDJI	Chetopa.....	b	KDNB	Quinault.....
KDJJ	Nipsic.....	b	KDNC	Swiftsure.....
KDKJ	Yalza.....	b	KDNH	Sujerseyco.....
KDJL	Steel Inventor.....	b	KDNI	Sunewarkco.....
KDJM	Storm King.....	b	KDNJ	Fishkeeper.....
KDJO	Oneida.....	b	KDNK	M. F. Elliott.....
KDJP	Kiowa.....	b	KDNL	Durham.....
KDJQ	Cayuga.....	b	KDNM	Wisdom II.....
KDJR	Onondaga.....	b	KDNN	Agwilake.....
KDJS	Chippewa.....	b	KDNO	Gulfking.....
KDJT	Daly, Alaska.....	c	KDNP	City of Dalhart.....
KDJU	Warren, Alaska.....	c	KDNS	Yorda Linda.....
KDJV	Joseph Seep.....	b	KDNU	Fresno, Calif.....
KDJX	Romagne.....	b	KDNV	President Pierce.....
KDJY	Natchez.....	b	KDNW	El Lago.....
KDJZ	Montgomery City.....	b	KDNX	Sunugentco.....
KDK	Atenas.....	b	KDNY	Favorite.....
KDKA	East Pittsburgh, Pa.....	c	KDNZ	Gorgona.....
KDKB	Eastern Sword.....	b	KDO	Esparta.....
KDKC	Hopatcong.....	b	KDOB	Ala.....
KDKD	Emergency Aid.....	b	KDOC	Cebu.....
KDKG	William H. Doheny.....	b	KDOD	Livingstone Roe.....
KDKH	Algonquin.....	b	KDOF	Bessemer City.....
KDKI	Tachira.....	b	KDOH	Crampton Anderson.....
KDKK	Minnekahda.....	b	KDOI	Consort.....
KDKL	Camden.....	b	KDOJ	Sea Lion.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.	
KDOK	Albert E. Watts.....	b	KDSB	E. T. Bedford.....	b
KDOL	F. C. Latrobe.....	b	KDSC	Vicksburg.....	b
KDOM	Annapolis.....	b	KDSD	Thomas Crowley.....	b
KDOQ	Richmond.....	b	KDSF	Manukai.....	b
KDOR	Thomas H. Wheeler.....	b	KDSG	Anniston City.....	b
KDOS	Swift Arrow.....	b	KDSH	Mojave.....	b
KDOT	President Jefferson.....	b	KDSI	Swift Wind.....	b
KDOW	America.....	b	KDSJ	Undaunted.....	b
KDOY	Westland.....	b	KDSK	Gloria West.....	b
KDOZ	President Polk.....	b	KDSL	President McKinley.....	b
KDP	Chomly, Alaska.....	c	KDSM	Nashaba.....	b
KDPA	President Jackson.....	b	KDSO	Lio.....	b
KDPC	Suspearco.....	b	KDSP	Dixiano.....	b
KDPE	Gargoyle.....	b	KDSQ	Sea Ranger.....	b
KDPF	Swiftstar.....	b	KDSR	Agwibay.....	b
KDPG	Liebre.....	b	KDSS	W. W. Mills.....	b
KDPH	Detroit, Mich.....	c	KDST	Tecomate.....	b
KDPJ	Superior, Mich.....	c	KDSU	Toteco.....	b
KDPK	Port Huron, Mich.....	c	KDSV	President Wilson.....	b
KDPL	Franklin.....	b	KDSW	Atlanta City.....	b
KDPM	Walter Jennings.....	b	KDSX	West Faralon.....	b
KDPN	Cleveland, Ohio.....	c	KDSY	Sea Scout.....	b
KDPO	Arden.....	b	KDSZ	Illinois.....	b
KDPP	Agwistone.....	b	KDT	Turrialba.....	b
KDPQ	Kennecott.....	b	KDTA	Liberator.....	b
KDPR	Tuxpanoil.....	b	KDTB	Bohemian Club.....	b
KDPS	Montebello.....	b	KDTC	President Garfield.....	b
KDPU	Baytown, Tex.....	c	KDTD	David McKelvy.....	b
KDPV	Cascada, Calif.....	c	KDTE	Paul Shoup.....	b
KDPW	Camp 60, Calif.....	c	KDTF	Betty R.....	b
KDPX	Camp 61, Calif.....	c	KDTG	Yankee Arrow.....	b
KDPY	La Placentia.....	b	KDTH	"323".....	b
KDPZ	Fairfield City.....	b	KDTI	Nourmahal.....	b
KDQ	Gold Star.....	b	KDTJ	Hammac.....	b
KDQB	Santore.....	b	KDTK	Colonial.....	b
KDQD	Ward.....	b	KDTL	Nedeva II.....	b
KDQE	E. R. Kemp.....	b	KDTM	American Legion.....	b
KDQF	Galveston.....	b	KDTN	Lebec.....	b
KDQG	Jeff Davis.....	b	KDTO	Thomas P. Beal.....	b
KDQH	Oldham.....	b	KDTP	J. N. Pew.....	b
KDQI	Meanticut.....	b	KDTR	Memphis City.....	b
KDQJ	West O'Rowa.....	b	KDTT	Adler.....	b
KDQL	Solana.....	b	KDTU	J. A. Moffett, Jr.....	b
KDQM	Sucubaco.....	b	KDTV	West Greylock.....	b
KDQQ	Aladdin.....	b	KDTW	Tustem.....	b
KDQR	Pocantico.....	b	KDTY	Half Moon.....	b
KDQS	John C. Kirkpatrick.....	b	KDTZ	Southern Cross.....	b
KDQT	Cerro-Ebano.....	b	KDU	Point Reyes, Calif.....	c
KDQU	Mount Carroll.....	b	KDUB	Harry Yates.....	b
KDQV	Sea Monarch.....	b	KDUC	Lubrico.....	b
KDQW	Swift Scout.....	b	KDUD	Knoxville City.....	b
KDQX	Cairo.....	b	KDUF	Speejacks.....	b
KDQY	St. Louis.....	b	KDUG	Empire Arrow.....	b
KDQZ	Cerro-Azul.....	b	KDUH	Louis R. Davidson.....	b
KDR	Frank G. Drum.....	b	KDUJ	William T. Roberts.....	b
KDRA	Limon.....	b	KDUK	West Prospect.....	b
KDRB	Fearless.....	b	KDUL	Theodore H. Wickwire, Jr.....	b
KDRC	Gulf Prince.....	b	KDUM	John D. Archbold.....	b
KDRD	Agwismith.....	b	KDUN	Ripple.....	b
KDRE	R. J. Hanna.....	b	KDUP	Guinevere.....	b
KDRH	K. R. Kingsbury.....	b	KDUQ	Agwimex.....	b
KDRI	Ruby (permanently moored vessel).....	c	KDUR	T. J. Williams.....	b
KDRJ	Washington.....	b	KDUT	President Grant.....	b
KDRK	Selma City.....	b	KDUV	Margaret Dollar.....	b
KDRL	Swift eagle.....	b	KDUW	Chattanooga City.....	b
KDRM	President Adams.....	b	KDUX	G. N. Wilson.....	b
KDRN	Henry D. Whiton.....	b	KDUY	President Lincoln.....	b
KDRP	E. W. Sinclair.....	b	KDUZ	M. A. Reeb.....	b
KDRQ	Suphenco.....	b	KDV	Libby Maine.....	b
KDRR	Manulani.....	b	KDVA	Tamiahua.....	b
KDRS	Delphine.....	b	KDVB	Polillo.....	b
KDRT	Mindoro.....	b	KDVC	Gertrude.....	b
KDRU	Cuba.....	b	KDVD	Levant Arrow.....	b
KDRV	Luzon.....	b	KDVE	Robert E. Hopkins.....	b
KDRW	Mount Clinton.....	b	KDVF	Adam E. Cornelius.....	b
KDRX	President Taft.....	b	KDVG	Faith.....	b
KDRZ	Agwhihavre.....	b	KDVFH	West Chopaka.....	b
DS	Tulsagas.....	b	KDVI	Wm. Rockefeller.....	b
DSA	Sixaoa.....	b	KDVJ	La Purisima.....	b
	Swiftlight.....	b			

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KDVK	F. H. Hillman	b	KDZC	Theodore H. Wickwire
KDVL	Birkenhead	b	KDZN	Calcite
KDVM	H. T. Harper	b	KDZO	Marore
KDVN	Steel Seafarer	b	KDZS	Guarina
KDVO	Samuel Q. Brown	b	KDZV	Pacific
KDVP	Norwhal	b	KDZY	G. S. Allyn
KDVR	President Madison	b	KEA	Seldovia, Alaska
KDVS	Jacob T. Kopp	b	KEB	San Francisco, Calif.
KDVT	Dixie Arrow	b	KEBD	Abron
KDVV	H. M. Storey	b	KEBF	Edgefield
KDWW	Steel Scientist	b	KEBM	Lake Giltedge
KDVX	Baton Rouge	b	KEBN	Lake Girth
KDVY	Memphis	b	KEBP	Lake Farabee
KDVZ	Centurion	b	KEBQ	West Henshaw
KDW A	Clifford F. Moll	b	KEBR	Lake Strabo
KDW B	John J. Boland	b	KEBS	Jekyl
KDW C	Lolomi	b	KEBT	Nesco
KDW D	New Jersey	b	KEBV	Lake Flushing
KDWE	Yosemite	b	KEBX	Remus
KDWF	All America	b	KEBZ	The Lambs
KDWG	Asher J. Hudson	b	KEC	Concho
KDWH	Munargo	b	KECB	Edenton
KDWI	Equator	b	KECG	Chicago Bridge
KDWJ	Spray	b	KECJ	Decatur Bridge
KDWK	President Harding	b	KECK	Hico
KDWL	Steel Navigator	b	KECL	Opelika
KDW M	Wogo	b	KECM	Lake Gitano
KDW N	Byron D. Benson	b	KECN	Lake Fannin
KDW O	Alpha	b	KECR	West Tacock
KDW P	W. S. Rheem	b	KECS	Duquesne
KDW Q	Delaware Sun	b	KECV	Lake Flynnus
KDW R	Invader	b	KECX	West Imboden
KDW S	President Roosevelt	b	KED	Slasi, P. I.
KDW U	Fortuna	b	KEDG	Kamesit
KDW W	Bethore	b	KEDJ	Marne
KDW X	Diana Dollar	b	KEDK	Onekama
KDW Y	Federal	b	KEDM	Lake Faribault
KDW Z	Pan America	b	KEDN	Baracoa
KDX	Firmore	b	KEDP	Lake Farley
KDXA	Vacoil	b	KEDQ	West Maximus
KDXB	Fidus	b	KEDR	Western Glen
KDXC	Allen	b	KEDT	West Quechee
KDXD	Stuart Dollar	b	KEDV	West Nosska
KDXE	Jacob Luckenbach	b	KEDX	West Hardaway
KDXF	La Jota	b	KEDZ	West Hargrave
KDXG	Daniel Kern	b	KEE	West Catanace
KDXI	Melville Dollar	b	KEF	Henry R. Mallory
KDXJ	G. A. Tomlinson	b	KEFB	Sac City
KDXK	F. R. Hazard	b	KEFC	West Carnifax
KDXL	E. L. Pierce	b	KEFD	Bar Harbor
KDXM	Frank Billings	b	KEFJ	Copalgrove
KDXN	Polynesia	b	KEFK	Cerro Gardo
KDXO	Australia	b	KEFL	Chamberino
KDXP	Amazon	b	KEFM	Lake Inaha
KDXQ	A. A. Augustus	b	KEFN	Lake Friar
KDXR	Price McKinney	b	KEFP	Lake Frio
KDXS	Harold B. Nye	b	KEFQ	Western Knight
KDXT	John Stanton	b	KEFR	Ossining
KDXU	Joseph G. Butler, Jr.	b	KEFS	West Harlan
KDXV	J. J. Sullivan	b	KEFT	City of Eureka
KDXW	James P. Walsh	b	KEFX	West Harshaw
KDX X	J. T. Hutchinson	b	KEFZ	West Harts
KDX Y	Martin Mullen	b	KEGC	Bristol
KDX Z	William A. Paine	b	KEGF	Eclipse
KDY A	Walter D. Noyes	b	KEGG	Chamblee
KDY B	Resolute	b	KEGJ	Chaparel
KDY C	Spray	b	KEGK	Chantier
KDY D	Viking	b	KEGL	Lake Foxcraft
KDY E	Californian	b	KEGM	Dirigo
KDY F	Reliance	b	KEGN	Lake Frolono
KDY G	Bernice	b	KEGP	Lake Frugality
KDY H	Boy Scout	b	KEGR	Lake Frohna
KDY I	Irages	b	KEGS	West Hartland
KDY J	Western World	b	KEGT	West Hartley
KDY K	Meteor	b	KEGX	West Hassayampa
KDY L	H. F. Alexander	b	KEH	Nueces
KDY M	Anvil	b	KEI	Medina
KDY N	Astoria	b	KEJ	Alamo
KDY O	Dolphin	b	KEJD	Easterling
KDZ	Zulia	b	KEJF	Western Ally

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KEJG	Lake Fraichur.....	b	KEQR	Galahad.....
KEJJ	Lake Fraley.....	b	KEQV	Pisco.....
KEJK	Lake Grainger.....	b	KEQX	Salaverry.....
KEJL	Lake Gramma.....	b	KER	H. M. Flagler.....
KEJN	Lake Fanbush.....	b	KERF	Star of Greenland.....
KEJP	Lake Faulk.....	b	KERG	Shooters Island.....
KEJQ	Cabegon.....	b	KERJ	West Erral.....
KEJS	West Amargosa.....	b	KERM	Lake Festus.....
KEJT	D. F. McAllister.....	b	KERN	Lake Fibre.....
KEJV	Faraby.....	b	KERP	Lake Fielding.....
KEJX	Transportation.....	b	KERQ	Yesoking.....
KEK	Hillsboro, Oreg.....	c	KERR	Benoni.....
KEKB	East Wind.....	b	KERT	Bethelbridge.....
KEKC	Norma.....	b	KERX	Miller County.....
KEKD	West Cobalt.....	b	KERZ	Cecil County.....
KEKG	Lake Grampian.....	b	KES	San Jacinto.....
KEKJ	Lake Grampus.....	b	KESB	Lake Foxboro.....
KEKL	Sagnache.....	b	KESC	Sacandaga.....
KEKM	Lake Fansdale.....	b	KESD	Castle Point.....
KEKN	Lake Fanquier.....	b	KESG	Sapinero.....
KEKP	Lake Furlough.....	b	KESK	Lake Flovilla.....
KEKQ	Castle Wood.....	b	KESM	Lake Fife.....
KEKR	Homestead.....	b	KESN	Lake Figart.....
KEKS	Tartar.....	b	KESP	Lake Fighting.....
KEKT	Oscoda.....	b	KESQ	Bidwell.....
KEKZ	Bluffton.....	b	KESR	Hampton Roads.....
KELB	North Pole.....	b	KESV	City of Freeport.....
KELC	Polar Star.....	b	KESX	Warwick.....
KELK	West El Cajon.....	b	KET	Henry Clay.....
KELM	Lake Fernando.....	b	KETG	{ Bolinas, Calif. (transmitting).....
KELN	Lake Ferrona.....	b	KETM	Marshall, Calif. (receiving).....
KELQ	Prusa.....	b	KETN	Braddock.....
KELS	Damakan.....	b	KETP	Askawake.....
KEM	Comal.....	b	KETX	Edgehill.....
KEMG	Susana II.....	b	KETZ	Edgemont.....
KEMJ	Panay.....	b	KEU	Georgina Ralph.....
KEMK	Hoxie.....	b	KEV	Annette Rolph.....
KEML	Jacox.....	b	KEVB	S. V. Karkness.....
KEMM	Covalt.....	b	KEVF	Cagayan de Sulu, P. I.....
KEMN	Muncove.....	b	KEVD	Osawatomie.....
KEMP	Covenia.....	b	KEVF	West Corum.....
KEMT	Tavernilla.....	b	KEVT	Edgehill.....
KEMX	West Vaca.....	b	KEVG	Eldena.....
KEMZ	Ballenas.....	b	KEVM	Nishmaha.....
KENC	East Cape.....	b	KEVN	Osaquimnick.....
KEND	Triumph.....	b	KEVP	Ozette.....
KENG	West Avenal.....	b	KEVR	Hartwood.....
KENJ	West Compo.....	b	KEVS	Chappell.....
KENK	West Modus.....	b	KEVT	Schodack.....
KENM	Mahukona.....	b	KEVV	Schoharie.....
KENN	El Abeto.....	b	KEVX	Tolland.....
KENP	Lake Elkwood.....	b	KEVZ	Lake Faresman.....
KENQ	Ballew.....	b	KEW	Balabac, P. I.....
KENR	Itompa.....	b	KEX	Josiah Macy.....
KENS	Cabrille.....	b	KEXB	McKeesport.....
KENV	Ballcamp.....	b	KEXF	West Munham.....
KENX	Clincho.....	b	KEXG	West Nohno.....
KEO	Bongao, P. I.....	c	KEXJ	West Togus.....
KEP	Lampasas.....	b	KEXK	West Totant.....
KEPD	Diablo.....	b	KEXL	Lake Fcroft.....
KEPF	Mercer.....	b	KEXM	Wawaloma.....
KEPG	Agwistar.....	b	KEXN	Moline.....
KEPJ	Brevard.....	b	KEXQ	J. L. Luckenbach.....
KEPK	Briarcliff.....	b	KEXR	Grand Haven.....
KEPL	Aledo.....	b	KEXS	Milwaukee.....
KEPM	Lake Elkwater.....	b	KEXT	Peter H. Crowell.....
KEPN	Lake Ellendale.....	b	KE XV	Hoven.....
KEPP	Lake Ellenorah.....	b	KEXX	West Cajoot.....
KEPQ	Proctor.....	b	KEXZ	Glymont.....
KEPR	Sahale.....	b	KEY	Arroyo Park Camp, Calif.....
KEPS	Lazy Bay, Alaska.....	c	KEZ	San Lorenzo.....
KEPT	Saco.....	b	KEZB	Lake Sapor.....
KEPV	Wallingford.....	b	KEZC	Lake Fonda.....
KEQ	Port Walter, Alaska.....	c	KEZD	Lake Fontana.....
KEQB	Dallas.....	b	KEZF	Lake Fontanet.....
KEQJ	Baldrock.....	b	KEZZ	Oneida.....
KEQK	Belvidere.....	b	KEZK	Lake Gilpen.....
KEQM	Lake Ellerslie.....	b	KEZL	Lake Gulta.....
KEQN	Lake Ellicot.....	b	KEZM	West Harcuvar.....
KEQP	Lake Festina.....	b	KEZN	West Hembrie.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KEZP	West Hematite.	b	KFGR	Phyllis.....
KEZQ	Glyndon.....	b	KFGS	Whitney Olson.....
KEZR	West Celina.....	b	KFGT	Waimea.....
KEZZ	Poughkeepsie.....	b	KFGU	George L. Olson.....
KFA	City of Columbus.....	b	KFGW	Restless.....
KFAA	Missourian.....	b	KFH	West Ashawa.....
KFAG	Bayonne.....	b	KFHE	St. Katherine.....
KFAH	Pilgrim.....	b	KFHG	Dickenson.....
KFAI	Glendola.....	b	KFKK	Worrell Clarkson.....
KFAL	Dolly C.....	b	KFHM	Virginia Olson.....
KFAM	Hamilton.....	b	KFHN	Roosevelt.....
KFAO	Glendoyle.....	b	KFHO	Carolyn Frances.....
KFAX	Chillicothe.....	b	KFHT	Arctic.....
KFB	City of Atlanta.....	b	KFIA	Caesar.....
KFBO	Ara.....	b	KFIE	Berkshire.....
KFBR	Nepenthe II.....	b	KFIG	Francis E. Powell.....
KFBT	Commercial Scout.....	b	KFIH	Joseph D. Wood.....
KFBW	Tamarack IV.....	b	KFIJ	Buford.....
KFBX	Stephen M. Clement.....	b	KFIM	Alaska.....
KFC	Pybus Bay, Alaska.	c	KFIN	Tillicum.....
KFCE	Gaston.....	b	KFIS	City of Grand Rapids.....
KFCG	Steelore.....	b	KFIT	City of St. Joseph.....
KFCI	Steel Traveler.....	b	KFJ	City of Augusta.....
KFCJ	Hugh Kennedy.....	b	KFK	City of Savannah.....
KFCN	James MacNaughton.....	b	KFM	Camp 61-C.....
KFCO	St. Michael.....	b	KFN	San Ysidro, Calif.....
KFCR	Champlain.....	b	KFOG	General call for all ice patrol vessels.....
KFCS	Ohio.....	b	KFP	Nacoochee.....
KFCT	William C. Agnew.....	b	KFQ	Owego.....
KFCU	Alcyone.....	b	KFS	San Francisco, Calif. (Beach station).....
KFCW	Sea Gull.....	b	KFT	Everett, Wash.....
KFCX	Fisher.....	b	KFU	Pearl Creek Dome; Cold Bay oil district, Alaska.....
KFD	Lake Janet.....	b	KFW	Freedom.....
KFDE	Logan.....	b	KFZZ	General call for all I. W. T. Co. vessels.....
KFDG	Pefrel.....	b	KFX	City of St. Louis.....
KFDI	Goliah.....	b	KFY	City of Montgomery.....
KFDK	Seiner.....	b	KGAE	New Windsor.....
KFDM	Chinampa.....	b	KGC	Kanatak, Alaska.....
KFDN	Rowena.....	b	KGD	Suruga.....
KFDQ	Robert Lewers.....	b	KGE	Westwego.....
KFDS	Tonawanda.....	b	KGH	Hillsboro, Oreg.....
KFDT	Calawaii.....	b	KGI	Kahuku, Hawaii (Oahu station).....
KFDW	Eurana.....	b	KGJ	San Juan.....
KFE	Wynoochee.....	b	KGK	Edgar F. Luckenbach.....
KFEA	Blue Hill.....	b	KGL	Dochra.....
KFEE	Niagara.....	b	KGM	Mexicano.....
KFEF	Quincy.....	b	KGOE	Lake Harney.....
KFEG	Frank H. Goodyear.....	b	KGP	Ponce.....
KFEH	Seaward.....	b	KGQ	Edward Luckenbach.....
KFEI	John A. Kling.....	b	KGR	Cambridge.....
KFEK	Indian.....	b	KGS	Senator Bailey.....
KFEM	Dix.....	b	KGT	Madison.....
KFEN	Merida.....	b	KGUE	Caribbean.....
KFEO	Monana.....	b	KGUI	Apex.....
KFES	City of Holland.....	b	KGX	Sewalls Point.....
KFET	City of Saugatuck.....	b	KGZ	Julia Luckenbach.....
KFEU	Haleakala.....	b	KHA	Uyak, Alaska.....
KFEW	North King.....	b	KHB	Kvichak, Alaska.....
KFF	Frieda.....	b	KHC	Chignik, Alaska.....
KFFC	Pennsylvania Sun.....	b	KHD	Quada, Alaska.....
KFFG	Elmore.....	b	KHE	Lake Silver.....
KFFH	Star of France.....	b	KHF	Snag Point, Alaska.....
KFFI	Star of Italy.....	b	KHG	Clarks Point, Alaska.....
KFFJ	Star of Russia.....	b	KHH	San Francisco, Calif.....
KFFK	Star of Scotland.....	b	KHI	Los Angeles, Calif.....
KFFL	Edward Sewall.....	b	KHK	Wahiawa, Hawaii (Island of Oahu).....
KFFM	Arapahoe.....	b	KHL	Lahaina, Hawaii (Island of Maui).....
KFFN	Chilkat.....	b	KHM	Lihue, Hawaii (Island of Kauai).....
KFFS	St. Heliers.....	b	KHN	Kawaihae, Hawaii (Island of Hawaii).....
KFFT	De Soto.....	b	KHO	Kaunakakai, Hawaii (Island of Molokai).....
KFFU	Barbara C.....	b	KHP	Mangore.....
KFFW	Stanwood.....	b	KHR	J. W. Van Dyke.....
KFG	Feltore.....	b	KHS	H. C. Folger.....
KFGA	Alleghany.....	b	KHT	Naknek, Alaska.....
KFGE	F. A. Douty.....	b	KHU	Lake Ogden.....
KFGH	Stanford University, Calif.	c	KHV	Lake Jessup.....
KFGI	Good Will.....	b	KHW	Lake Charles.....
KFGK	Leroy.....	b	KHY	K. I. Luckenbach.....
KFGN	President Buchanan.....	b		
KFGO	George B. MacKenzie.....	b		

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.	
KHZ	Mystic.....	b	KIJF	Barryton.....	b
KIA	Ardmore.....	b	KIJG	Wicasta.....	b
KIB	Muskogee.....	b	KIJH	Sabotawan.....	b
KIBB	Lake Glebe.....	b	KIJK	Kisnop.....	b
KIBC	Silverbrook.....	b	KIJL	Dorothy Luckenbach.....	b
KIBD	Shenandoah.....	b	KIJM	Schroon.....	b
KIBF	Milwaukee Bridge.....	b	KIJN	Knoxville.....	b
KIBG	National Bridge.....	b	KIJP	Montgomery.....	b
KIBJ	Passaic Bridge.....	b	KIQJ	Hoxbar.....	b
KIBK	Opequan.....	b	KIJR	Barstow.....	b
KIBL	Masca.....	b	KIJS	Butterfield.....	b
KIBM	Wisconsin Bridge.....	b	KIJT	Buttercup.....	b
KIBN	Santa Malta.....	b	KIJV	Bethlehem Bridge.....	b
KIBQ	Saugus.....	b	KIJX	Brasher.....	b
KIBR	Craftsman.....	b	KIJZ	Dade County.....	b
KIC	Standard.....	b	KIK	Westerner.....	b
KICM	Edgewood.....	b	KIKB	Hillsborough County.....	b
KICP	William Perkins.....	b	KIKC	Jackson.....	b
KICQ	West Isleta.....	b	KIKD	Johnson City.....	b
KICR	Gaffney.....	b	KIKF	Jefferson County.....	b
KICS	Zarembo.....	b	KIKG	St. Johns County.....	b
KICV	Gunston Hall.....	b	KIKJ	St. Augustine.....	b
KICZ	Admiral Evans.....	b	KIKK	Shortsville.....	b
KID	Matiniccock.....	b	KIKL	Worcester.....	b
KIDB	Lake Granby.....	b	KIKM	West Kasson.....	b
KIDC	Satartia.....	b	KIKQ	Ambridge.....	b
KIDD	West Alcoz.....	b	KIKR	Clairton.....	b
KIDF	Hegira.....	b	KIKT	Evansville.....	b
KIDJ	Mulpua.....	b	KIKX	West Islip.....	b
KIDL	Genesee.....	b	KIL	Jolo, P. I. (Jolo Island).....	c
KIDM	Anniston.....	b	KILF	Elmsport.....	b
KIDN	Chattanooga.....	b	KILJ	Edmore.....	b
KIDP	Louisville Bridge.....	b	KILK	Colorado Springs.....	b
KIDQ	Schoodic.....	b	KILL	City of Spokane.....	b
KIDR	Romulus.....	b	KILM	Waxahachie.....	b
KIDS	Lake Canaveral.....	b	KILN	Neshaminy.....	b
KIDT	Barrallton.....	b	KILP	Meriden.....	b
KIDV	Waukau.....	b	KILR	Scantic.....	b
KIDX	Waukegan.....	b	KILT	West Calumb.....	b
KIDZ	Orleans.....	b	KILV	Ipswich.....	b
KIE	(Kahuku, Hawaii (transmitting).....	c	KILX	Monasses.....	b
KIF	(Koko Head, Hawaii (receiving).....	c	KILZ	West Cawthon.....	b
KIFB	Davao, P. I.....	c	KIM	Latouche, Alaska.....	c
KIFC	West Irmo.....	b	KIMB	Tukanuck.....	b
KIFD	Hukey.....	b	KIMC	Tripp.....	b
KIFG	West Cavanal.....	b	KIMD	Deerlodge.....	b
KIFJ	Favorite.....	b	KIMG	West Chetac.....	b
KIFK	Kishacoquillas.....	b	KIMJ	Cushnoc.....	b
KIFL	Chataqua.....	b	KIMM	Winyah.....	b
KIFN	Stellaris.....	b	KIMN	Salvation Lass.....	b
KIFP	Humrick.....	b	KIMQ	East Side.....	b
KIFQ	West Conob.....	b	KIMR	Dochet.....	b
KIFR	Bound Brook.....	b	KIMS	Burnwell.....	b
KIFV	Barranca.....	b	KIMT	Mount Evans.....	b
KIFX	Andrea F. Luckenbach.....	b	KIMV	Lake Cannonsburg.....	b
KIFZ	Youngstown.....	b	KIMX	Orinoco.....	b
KIG	Lorain.....	b	KIMZ	Pipestone County.....	b
KIGB	Pioneer.....	b	KIN	Macom.....	b
KIGC	Lake Glencoe.....	b	KINB	Ogontz.....	b
KIGD	Humacaomma.....	b	KINC	Hyannis.....	b
KIGF	Hulver.....	b	KIND	Rock Island.....	b
KIGG	Seekonk.....	b	KINF	Costigan.....	b
KIGJ	Walden.....	b	KING	Watertown.....	b
KIGK	Director.....	b	KINJ	Lake Fabyan.....	b
KIGL	Intan.....	b	KINK	Lake Glasco.....	b
KIGM	Polybius.....	b	KINL	Pere Marquette 8.....	b
KIGP	Lake Farlin.....	b	KINM	Lehigh.....	b
KIGQ	Grata.....	b	KINN	West Ison.....	b
KIGR	Santa Elsia.....	b	KINP	West Hepburn.....	b
KIGS	Blair.....	b	KINQ	Eelbeck.....	b
KIGT	Harry Luckenbach.....	b	KINR	Olen.....	b
KIGX	Bessemer.....	b	KINS	Boston Bridge.....	b
KIGZ	Yaklok.....	b	KINT	Bay Head.....	b
KIH	Ashbee.....	b	KINV	Calno.....	b
KII	Corning.....	b	KINX	Davidson County.....	b
KIJ	San Francisco, Calif.....	c	KINZ	Pawtucket.....	b
KIJB	Acme.....	b	KIO	Brynhilda.....	b
KIJC	Lake Candelaria.....	b	KIP	General W. C. Gorgas.....	b
KIJD	Balsam.....	b	KIPB	Astnippi.....	b
	Barrenfork.....	b		Pontia.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.	
KIPD	Wallkill.....	b	KIVG	Mercer Victory.....	b
KIPF	Woodmansie.....	b	KIVJ	Hatchie.....	b
KIPG	Doylestown.....	b	KIVK	Traveller.....	b
KIPJ	West Chatala.....	b	KIVM	Lake Fear.....	b
KIPK	West Segovia.....	b	KIVN	Explorer.....	b
KIPN	Lake Gazette.....	b	KIVP	Westoll.....	b
KIPP	American Star.....	b	KIVQ	Huguenot.....	b
KIPQ	Lake Fabius.....	b	KIVR	Devolente.....	b
KIPR	S. B. Hunt.....	b	KIVS	Delfina.....	b
KIPS	Geo. H. Jones.....	b	KIVT	Delisle.....	b
KIPV	Luxpallie.....	b	KIVV	West Cactus.....	b
KIPX	Maiden Creek.....	b	KIVX	Guardsman.....	b
KIPZ	Lake Farmingdale.....	b	KIVZ	Custodian.....	b
KIQ	Astral.....	b	KIW	Zamboanga, P. I.....	c
KIQB	Belfort.....	b	KIX	Cuyo, P. I.....	c
KIQC	Westmoreland.....	b	KIXB	West Cheswald.....	b
KIQC	Cansumset.....	b	KIXC	West Raritans.....	b
KIQD	Cotati.....	b	KIXD	Lackawanna Valley.....	b
KIQF	Cold Spring.....	b	KIXF	Ablanest.....	b
KIQK	Lake Farragut.....	b	KIXG	Asabeth.....	b
KIQN	Bolivar.....	b	KIXH	Fourth Alabama.....	b
KIQP	Hugoton.....	b	KIXK	Lafcomo.....	b
KIQR	Bathgate.....	b	KIXL	Lockport.....	b
KIQS	Bathalum.....	b	KIXM	Lordship Manor.....	b
KIQT	Corson.....	b	KIXN	Nonantum.....	b
KIQT	Fluor Spar.....	b	KIXP	Putnam.....	b
KIQU	Liberty Glo.....	b	KIXQ	Tulsa.....	b
KIR	Eagle.....	b	KIXS	Abraham Lincoln.....	b
KIRB	Lake Farber.....	b	KIXT	Lake Flagon.....	b
KIRF	West Cayote.....	b	KIXV	Montauk.....	b
KIRG	New Britain.....	b	KIXX	Weikika.....	b
KIRJ	Lake Frumet.....	b	KIXZ	West Selene.....	b
KIRK	Sharon.....	b	KIY	San Jose, P. I.....	c
KIRM	Arenas.....	b	KIZ	Malabang, P. I.....	c
KIRN	Haddon.....	b	KIZB	Domino.....	b
KIRP	Waco.....	b	KIZC	Bakersfield.....	b
KIRQ	Delavan.....	b	KIZD	De Bardeleben.....	b
KIRR	Cambridge.....	b	KIZF	Buffalo Bridge.....	b
KIRS	John Ena.....	b	KIZG	Parksville.....	b
KIRT	Derbyline.....	b	KIZJ	Dauperata.....	b
KIRV	Lake Fairfax.....	b	KIZK	Katherine.....	b
KIRX	Casper.....	b	KIZL	Avalon.....	b
KIRZ	Glen Ridge.....	b	KIZM	Lake Flagstaff.....	b
KISC	Orcus.....	b	KIZN	Lake Flambeau.....	b
KISD	Seattle Spirit.....	b	KIZP	Shickshinny.....	b
KISF	Wheatland, Mont.....	b	KIZQ	Bannack.....	b
KISG	Elkridge.....	b	KIZR	Winona County.....	b
KISJ	Stanley.....	b	KIZS	Vincent.....	b
KISK	West Keene.....	b	KIZT	Algonquin.....	b
KISM	Baldbutte.....	b	KIZV	Imlay.....	b
KISN	Lake Fagundus.....	b	KIZX	Labette.....	b
KISP	Lake Fairlie.....	b	KIZZ	Rockaway Park.....	b
KISQ	Afsl.....	b	KJAA	Chebaulip.....	b
KISR	City of Fairbury.....	b	KJAE	West Indian.....	b
KISS	Liberty Land.....	b	KJAI	West Durfee.....	b
KIST	Wm. G. Howard.....	b	KJAU	West Lianga.....	b
KISV	Asquam.....	b	KJCA	West Grove.....	b
KISX	Lake Farrar.....	b	KJCD	Rose Inlet, Alaska.....	c
KIT	Tiger.....	b	KJD	North Land.....	b
KITB	Lake Palama.....	b	KJE	Norlina.....	b
KITC	Babboosic.....	b	KJEA	Western Ocean.....	b
KITF	Firthcliffe.....	b	KJEI	John M. Connelly.....	b
KITG	Kittegaun.....	b	KJEU	Santa Luisa.....	b
KITJ	Innoko.....	b	KJF	Carolinian.....	b
KITK	Bellbuckle.....	b	KJH	West Wind.....	b
KITL	Wytheville.....	b	KJI	Satsuma.....	b
KITM	Betsy Bell.....	b	KJIE	Walter A. Luckenbach.....	b
KITN	Nameaug.....	b	KJII	Muscatinne.....	b
KITP	Lake Gadsden.....	b	KJIO	Paul H. Harwood.....	b
KITQ	Lake Singara.....	b	KJIU	Carib.....	b
KITR	Keshena.....	b	KJK	King Cove, Alaska.....	c
KITV	Dunmore.....	b	KJL	False Pass, Alaska.....	c
KITX	Willfaro.....	b	KJM	West Cherow.....	b
KITZ	West Inskip.....	b	KJN	J. A. Bostwick.....	b
KIU	Western Hero.....	b	KJO	Munisia.....	b
KIV	Puerto Princesa Paragua, P. I.....	c	KJOE	W. M. Irish.....	b
KIVB	Minnequa.....	b	KJOO	West Bridge.....	b
KIVC	Kewanee.....	b	KJP	Joseph R. Parrott.....	b
KIVD	Marina.....	b	KJT	Waban.....	b
KIVF	Lightburne.....	b	KJU	Bacol.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.		
KJUA	Ice King.....	b	KLUA	Lake Capens.....	b
KJUE	Radinor.....	b	KLUE	Lake Sebago.....	b
KJUI	Point Lobos.....	b	KLUI	Lake Cayuga.....	b
KJUO	West Alsek.....	b	KLUE	Lake Ennis.....	b
KJUU	West Apaum.....	b	KLUU	Agarista.....	b
KJV	West Haven.....	b	KLV	San Mateo.....	b
KJW	O. T. Waring.....	b	KLW	Port Althorp, Alaska.....	c
KJX	Westland.....	b	KLY	Deepwater.....	b
KJY	West Point.....	b	KMA	Allianca.....	b
KJZ	Chinchia.....	b	KMAA	Admiral Nicholson.....	b
KKA	Yakutat, Alaska.....	c	KMAI	Catherine D.....	b
KKAA	Sulzer, Alaska.....	c	KMB	Amolco.....	b
KKAE	Nushagak, Alaska.....	c	KMD	Cristobal.....	b
KKAI	Hawk Inlet, Alaska.....	c	KME	Pennant.....	b
KKAO	Kussilof, Alaska.....	c	KMEI	Orizaba.....	b
KKAU	Avondale.....	b	KMEO	Cletus Schneider.....	b
KKB	El Sol.....	b	KMEU	Pasadena.....	b
KKC	Chalmette.....	b	KMF	Egegik, Alaska.....	c
KKD	Comus.....	b	KMG	Ekuk, Alaska.....	c
KKE	Topila.....	b	KMH	Panama.....	b
KKEE	Nanking.....	b	KMI	Tivives.....	b
KKEI	City of Sydney.....	b	KMIE	Cape Henry.....	b
KKEO	Waukesha.....	b	KMII	Masuda.....	b
KKEU	Mariners Harbor.....	b	KMIO	Willimantic.....	b
KKF	Torres.....	b	KMIU	W. M. Burton.....	b
KKG	El Admirante.....	b	KMK	Naknek, Alaska.....	c
KKH	El Capitan.....	b	KML	Lockanok, Alaska.....	c
KKI	Kilkenny.....	b	KMM	Panuco.....	b
KKJ	West Celeron.....	b	KMN	Butte, Mont.....	c
KKL	El Alba.....	b	KMOE	Accomac.....	b
KKM	Momus.....	b	KMOI	Eldorado.....	b
KKN	El Norte.....	b	KMOO	Oakland.....	b
KKO	Excelsior.....	b	KMOU	Edward Peirce.....	b
KKOA	Biran.....	b	KMP	Metha Nelson (moored vessel).....	c
KKOE	Lake Annette.....	b	KMQ	Sherman.....	b
KKQ	El Sud.....	b	KMR	Wellington.....	b
KKR	Creole.....	b	KMS	Ancon.....	b
KKS	El Siglo.....	b	KMT	Libbyville, Alaska.....	c
KKT	El Cid.....	b	KMU	Ugashik, Alaska.....	c
KKU	El Mundo.....	b	KMUA	Lake Lasang.....	c
KKUI	William G. Mather.....	b	KMUE	Lake Larga.....	b
KKV	El Oriente.....	b	KMUI	George W. Barnes.....	b
KKW	El Valle.....	b	KMUU	Lake Flume.....	b
KKX	El Occidente.....	b	KMV	Advance.....	b
KKY	El Dia.....	b	KMW	Akutan, Alaska.....	c
KKZ	El Rio.....	b	KMX	Colon.....	b
KLA	Pastores.....	b	KMY	Holden Evans.....	b
KLAA	Luelia.....	b	KMZ	General G. W. Goethals.....	b
KLAE	Overbrook.....	b	KNA	Dorothy Bradford.....	b
KLAO	Lake Crystal.....	b	KNAE	Western Sea.....	b
KLAU	Lake Winoma.....	b	KNAI	West Cohas.....	b
KLC	Calamares.....	b	KNAO	Western City.....	b
KLD	Fort Worth.....	b	KNAU	Western Chief.....	b
KLE	Zacapa.....	b	KNB	Westford.....	b
KLEA	Lake Maurepas.....	b	KNC	Lexington.....	b
KLEE	Lake St. Regis.....	b	KND	Concord.....	b
KLEI	Lake Allen.....	b	KNE	Plymouth.....	b
KLEO	Lake Clear.....	b	KNEA	Clare.....	b
KLEU	Lake Pewaukee.....	b	KNEE	Western Spirit.....	b
KLF	Metapan.....	b	KNEU	Santa Tecla.....	b
KLG	Santa Marta.....	b	KNF	Wishkah.....	b
KLH	Saramacca.....	b	KNG	Wm. G. Warden.....	b
CLI	Suriname.....	b	KNH	Alden Anderson.....	b
KLIA	Lake Otisco.....	b	KNK	Brockton.....	b
KLIE	Lake Como.....	b	KNL	Lillian Luckenbach.....	b
KLII	Frank Lynch.....	b	KNM	Nelson.....	b
KLJ	Beatrice.....	b	KNO	Millinocket.....	b
KLK	Craster Hall.....	b	KNP	Trinidadian.....	b
KL	Thompson Falls, Mont.....	c	KNQ	Chignik, Alaska.....	c
KL	Bantu.....	b	KNR	F. Q. Barstow.....	b
LO	Santa Rosalia.....	b	KNS	Clearwater, Calif.....	c
LOE	Lake Hemlock.....	b	KNU	Sucrosa.....	b
LOI	Lakehurst.....	b	KNW	Currier.....	b
LOO	Lake Lida.....	b	KNY	Robert M. Thompson.....	b
LOU	Lake Shawano.....	b	KNZ	Fred W. Weller.....	b
LO	Rainbow, Mont. (near Great Falls).....	c	KOBC	A. C. Bedford.....	b
LR	Crofton Hall.....	b	KOBD	Ruby.....	b
LT	Howick Hall.....	b	KOBF	Orani.....	b
LU	Charlton Hall.....	b		Vanada.....	b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KOBG	Editor	.b	KOGZ	Commissioner
KOBJ	Deroche	.b	KOH	Glenpool
KOBK	West Katan	.b	KOI	Polarine
KOBL	Lake Ellijay	.b	KOJB	York Harbor
KOBM	Willpolo	.b	KOJD	Sinsinawa
KOBN	Alameda	.b	KOJF	Montana
KOBP	Bird City	.b	KOJG	Jacksonville
KOBQ	Gonzalis	.b	KOJJ	Lake Galata
KOBR	Barwick	.b	KOJK	Hanover
KOBT	Lake Inglenook	.b	KOJL	Cripple Creek
KOBV	Baldhill	.b	KOJM	Lake Onawa
KOBX	Moshico	.b	KOJP	Lake Favaonia
KOBZ	Lake Elon	.b	KOJQ	Lake Fitch
KOC	Jamestown	.b	KOJR	Chickasaw
KOCB	Lake Savus	.b	KOJS	Magmeric
KOCC	Epitacio Pessoa	.b	KOJT	Lake Galien
KOCD	Texarkana	.b	KOJV	Fortsomth
KOCF	Nokatay	.b	KOJX	Lake Galewood
KOCG	Lake Fiscus	.b	KOJZ	Lake Gaither
KOCJ	Aquilo	.b	KOKC	Northern Star
KOCK	West Pocasset	.b	KOKD	Bellerose
KOCL	Elkhorn	.b	KOKF	Belleplaine
KOCM	Marsodak	.b	KOKG	Moositauka
KOCN	Federal Bridge	.b	KOKK	Iceland
KOCP	Continental Bridge	.b	KOKM	Daniel Webster
KOCQ	Clark Mills	.b	KOKN	Potomac
KOCR	John W. Wells	.b	KOKP	Crisfield
KOCS	Lake Girardeau	.b	KOKQ	Paria
KOCT	Hercules	.b	KOKR	Inspector
KOCV	West Saginaw	.b	KOKS	Southlands
KOCX	West Jaffrey	.b	KOKT	Bethnor
KOCZ	Lake Ellsworth	.b	KOKV	Kaleen
KOD	Jefferson	.b	KOKZ	Lake Fifthian
KODB	Nobles	.b	KOL	Mount Hope
KODC	Sunbeam	.b	KOLB	Aryan
KODF	West Caddoa	.b	KOLC	Orient
KODG	Siletz	.b	KOLD	Antonia
KODK	Hathaway	.b	KOLJ	Lake Faxon
KODL	Menominee	.b	KOLK	Lake Felden
KODN	Endicott	.b	KOLL	Clavarack
KODQ	Hulaco	.b	KOLN	Susquehanna
KODR	Salem County	.b	KOLP	Cathlamet
KODS	Bellemina	.b	KOLR	Lake Elmdale
KODT	Dewey	.b	KOLS	Chicomico
KODV	Hog Island	.b	KOLT	Effingham
KODX	Dillwyn	.b	KOLV	Palisades
KODZ	Ophis	.b	KOLX	Cranford
KOF	Castle Town	.b	KOLZ	Lake Getaway
KOFC	Bellhaven	.b	KOMB	Lake Gert
KOFD	Anaconda	.b	KOMC	Lake Flattery
KOFF	Auditor	.b	KOMD	Deuel
KOFG	Dean Emery	.b	KOMF	Bartholomew
KOFG	H. F. Morse	.b	KOMG	Whitemarsh
KOKF	Elkton	.b	KOKM	Lycoming
KOFL	Chepadoa	.b	KOML	J. R. Gordon
KOFM	Lake Ellithorpe	.b	KOMM	Scottsburg
KOFN	Cockaponset	.b	KOMN	San Antonio
KOFP	Lake Ellsbury	.b	KOMP	Coahoma County
KOFR	Lake Elmhurst	.b	KOMQ	Afoundsia
KOFS	Basdorf	.b	KOMR	Ashland County
KOFT	Bascobel	.b	KOMS	Henry County
KOFT	Bensalem	.b	KOMT	Eifna
KOFT	Lake Ellpueblo	.b	KOMV	Montague
KOFT	Cook	.b	KOMX	Peekskill
KOFT	Coquitt	.b	KOMZ	Coskata
KOGB	Independent Bridge	.b	KON	Union Bay, Alaska
KOGC	Lackawanna Bridge	.b	KONB	Cushnet
KOGD	Moosehausie	.b	KONC	Cuttynhunk
KOGF	Kootenai	.b	KOND	Indiana Bridge
KOGJ	Nockum	.b	KONG	Margus
KOGK	Escambia	.b	KONJ	Massillon Bridge
KOGL	West Ira	.b	KONK	Northwestern Bridge
KOGM	Storm King	.b	KONL	Fargo
KOGN	Brave Coeur	.b	KONM	La Crosse
KOGP	Hadnot	.b	KONN	Sioux Falls
KOGQ	Irvington	.b	KONP	Lansdowne
KOGR	Lake Airport	.b	KONQ	Andrew Jackson
KOGS	Lake Flatonia	.b	KONR	Antietam
KOGT	Lake Flanders	.b	KONS	City of Houston
KOGX	Merry Mount	.b	KONT	City of Philadelphia

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KONV	Lake Filbert.....	b KOVB	Gulftrade.....
KONX	Detroit-Wayne.....	b KOVC	Lake Tippah.....
KONZ	City of Alton.....	b KOVD	Maquan.....
KOPB	Lake Fernalda.....	b KOVF	Amcross.....
KOPC	Bavington.....	b KOVG	Lake Elmsford.....
KOPD	Dammedalke.....	b KOVJ	Dilworth.....
KOPF	Massick.....	b KOVL	Lake Fandango.....
KOPG	Minnewawa.....	b KOVM	Robin Adair.....
KOPJ	Terre Haute.....	b KOVN	E. A. Morse.....
KOPK	Circinus.....	b KOVP	Georgian.....
KOPL	Corvus.....	b KOVQ	Elfay.....
KOPN	Wasagya.....	b KOVR	Abercos.....
KOPP	Eastern Breeze.....	b KOVS	Lake Fandon.....
KOPQ	Bellflower.....	b KOVT	Coeur D'Alene.....
KOPR	Kearny.....	b KOVV	Coleda.....
KOPT	Eglantine.....	b KOVX	Tampa.....
KOPV	Lake Fillion.....	b KOVZ	I. J. Merritt.....
KOPZ	Centaurus.....	b KOX	Henry M. Flagler.....
KOQC	Hagan.....	b KOXB	Haslehurst.....
KOQD	Hagood.....	b KOXC	Suwied.....
KOQF	Tri Mountain.....	b KOXD	Tashmoo.....
KOQQ	Lake Elmont.....	b KOXF	Tekoa.....
KOQJ	Casey.....	b KOXG	Toledo Bridge.....
KOQK	Coldbrook.....	b KOXJ	Tona.....
KOQL	George C. Greer.....	b KOXK	Tonesit.....
KOQM	Standtug No. 1.....	b KOXL	Tuladi.....
KOQP	McCreary County.....	b KOXM	Vincennes Bridge.....
KOQQ	West Ivis.....	b KOXN	Pirate Cove, Alaska.....
KOQS	Egremont.....	b KOXP	Von Steuben.....
KOQT	Quinnipiac.....	b KOXS	West Jessup.....
KOQV	Corinto.....	b KOXT	Robin Gray.....
KOQX	Nipmuc.....	b KOXV	Roanoke.....
KOQZ	Kayseeka.....	b KOXX	Steelmaker.....
KORB	West Mingo.....	b KOXZ	Steel Age.....
KORC	Macomet.....	b KOY	Herbert L. Pratt.....
KORD	Sundance.....	b KOZ	Miami.....
KORF	Nocalula.....	b KOZB	City of Omaha.....
KORG	Cethana.....	b KOZC	City of Los Angeles.....
KORJ	Challamba.....	b KOZD	Rockport.....
KORK	Dryden.....	b KOZF	Tenafly.....
KORL	Jaleakala.....	b KOZG	Moravia Bridge.....
KORM	Jadden.....	b KOZJ	West Niger.....
KORP	Monomac.....	b KOZK	West Hika.....
KORQ	Bogota.....	b KOZL	Quaker City.....
KORS	Manham.....	b KOZM	Miskianza.....
KORT	Hancock County.....	b KOZN	Minooka.....
KORV	Wildwood.....	b KOZP	Vigilant.....
KORX	Cliffwood.....	b KOZQ	City of Berkeley.....
KOS	Lake Saba.....	b KOZR	Culburra.....
KOSC	Tenakee, Alaska.....	c KOZS	West Iyan.....
KOSD	Nile.....	b KOZT	Lake Elmwood.....
KOSF	Monroe.....	b KOZV	William H. Webb.....
KOSL	West Kader.....	b KOZX	Norumbega.....
KOSM	City of St. Joseph.....	b KOZZ	Collamer.....
KOSN	John Roach.....	b KPAA	Point Judith.....
KOSQ	Lake Treba.....	b KPB	Amuguis, P. I.....
KOSR	Lake Elsa.....	b KPC	Batangas, P. I.....
KOSS	John Adams.....	b KPD	W. H. Tilford.....
KOST	Chester Valley.....	b KPE	Seattle, Wash.....
KOSV	Kenowis.....	b KPF	General O. H. Ernst.....
KOSX	Hartford.....	b KPG	General H. F. Hodges.....
KOT	Kanak.....	b KPH	Bolinis, Calif.....
KOTB	Lake Falun.....	b KPI	Cebu, P. I.....
KOTD	Cross Keys.....	b KPJ	Culion, P. I.....
KOTF	Mitchell.....	b KPK	Los Angeles, Calif. (portable).....
KOTG	West Jena.....	b KPL	Moonlite.....
KOTJ	Lake Slavi.....	b KPM	Iloilo, P. I.....
KOTK	West Neris.....	b KPN	Isabela de Basilan, P. I.....
KOTL	Vinita.....	b KPP	Dawnlite.....
KOTM	Robin Hood.....	b KPO	Sunlite.....
KOTN	West Hesseltine.....	b KPR	Daylite.....
KOTP	Wisla.....	b KPS	Benjamin Brewster.....
KOTQ	Red Mountain.....	b KPT	Achilles.....
KOTR	West Montop.....	b KPU	Ulysses.....
KOTT	Lake Fenn.....	b KPV	Melangas, P. I.....
KOTV	Franklin County.....	b KPW	Malita, P. I.....
KOTX	Delanson.....	b KPX	Port Lebak, P. I.....
KOTZ	Benowa.....	b KPY	San Francisco, P. I.....
KOU	Isaac T. Mann.....	b KPZ	Mati, P. I.....
KOV	Carlisle, Alaska.....	c KQA	Harry Farnum.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.	
KQB	W. L. Connelly.....	b	KSE	Wilmington, Calif. (Los Angeles).....
KQC	Cretan.....	b	KSEA	Abscon.....
KQD	Dorchester.....	b	KSEE	Mineola.....
KQE	Essex.....	b	KSEI	Eastern Chief.....
KQE0	Lake Charlotte.....	b	KSEU	Jonancy.....
KQF	Gene Crawley.....	b	KSF	Finland.....
KQG	Gloucester.....	b	KSG	Baton Rouge.....
KQH	Howard.....	b	KSH	Kroonland.....
KQIE	Farnam.....	b	KSI	H. H. Rogers.....
KQII	Santa Olivia.....	b	KSIE	Glen White.....
KQIO	Deronaf.....	b	KSII	Lake Catherine.....
KQIU	West Ekonk.....	b	KSIIU	Lake Benton.....
KQJ	Junia....	b	KSJ	Security.....
KQK	Kershaw.....	b	KSK	Caddo.....
KQL	Hidden Inlet, Alaska.....	c	KSM	Philadelphia.....
KQM	Merrimack.....	b	KSO	St. Paul.....
KQN	Nantucket.....	b	KSOA	Polar Sea.....
KQO	Ontario.....	b	KSOC	General call for all Standard Oil Co. vessels.....
KQOA	Anacortes.....	b	KSOE	Lake Eckhart.....
KQOE	Delight.....	b	KSOI	Lake Wimico.....
KQOI	Western Light.....	b	KSOO	Lake Duncan.....
KQOO	Western Maid.....	b	KSOU	Bylayl.....
KQP	Tee Harbor, Alaska.....	c	KSP	Caloria.....
KQQ	Quantico.....	b	KSQ	Charles Pratt.....
KQR	Grecian.....	b	KSR	Bayway.....
KQT	San Gabriel Camp, Calif.....	c	KST	Princeton.....
KQU	Ruth E. Merrill.....	b	KSU	Somerset.....
KQUA	Allies.....	b	KSV	Standard Arrow.....
KQUE	Lancaster.....	b	KSW	Royal Arrow.....
KQUO	Lake Chelan.....	b	KSX	Sylvan Arrow.....
KQUU	West Gambo.....	b	KSY	Broad Arrow.....
KQX	Persian.....	b	KSZ	Cora F. Cressy.....
KQZ	City of Rome.....	b	KTA	San Francisco, Calif.....
KRA	Freeport Sulphur No. 1.....	b	KTAA	Alloway.....
KRAA	West Coast.....	b	KTAI	Lake Elko.....
KRAE	Mauban.....	b	KTAO	Lake Frances.....
KRB	Governor Cobb.....	b	KTAU	Eastern Star.....
KRC	Camden.....	b	KTB	Gulfstream.....
KRD	Belfast.....	b	KTC	Shenango.....
KREA	Cape Romain.....	b	KTD	Ligonier.....
KREI	Lake Washburn.....	b	KTE	Winifred.....
KREO	Lake Mary.....	b	KTEA	Eastern Sea.....
KRF	Ransom B. Fuller.....	b	KTEE	Western Cross.....
KRG	Freeport Sulphur No. 2.....	b	KTEI	Winnebago.....
KRH	City of Bangor.....	b	KTF	J. M. Guffey.....
KRI	City of Rockland.....	b	KTG	Gulffoil.....
KRIA	Lake Daraga.....	b	KTH	Robert P. Clark.....
KRII	Lake Elsinore.....	b	KTI	Brilliant.....
KRIU	Liberator.....	b	KTIE	Eastern Sun.....
KRJ	Relief.....	b	KTIO	Fresno.....
KRK	Oswego.....	b	KTIU	Lake Blanchester.....
KRL	Kiowa.....	b	KTJ	Comet.....
KRM	Resolute.....	b	KTL	Rayo.....
KRN	Calvin Austin.....	b	KTM	Eocene.....
KRO	Brammell Point.....	b	KTN	Perfection.....
KROE	Aniwa.....	b	KTO	John D. Rockefeller.....
KROI	Wampum.....	b	KTOA	Lake Narka.....
KROO	Wassaic.....	b	KTOE	Mary.....
KROU	Garibaldi.....	b	KTOI	Catherine.....
KRQ	Manitowoc.....	b	KTOO	Lake Yemassee.....
KRR	C. A. Snider.....	b	KTOU	Lake Markham.....
KRS	Paulsboro.....	b	KTP	James McGee.....
KRT	San Francisco.....	b	KTQ	City of Everett.....
KRU	Yes Bay, Alaska.....	c	KTR	Radiant.....
KRUI	Santa Flavia.....	b	KTS	Vesta.....
KRUO	Wakulla.....	b	KTU	Paraguay.....
KRUU	Socony 88.....	b	KTU	Sun.....
KRV	Governor Dingley.....	b	KTUA	Lake Ledan.....
KRW	Sierra.....	b	KTUE	Lake Bledsoe.....
KRX	Chichagof, Alaska.....	c	KTUI	Samoa.....
KRY	Camp 63, Calif.....	c	KTUO	Sagadahoc.....
KRZ	Sudbury.....	b	KTUU	Lake Pachuta.....
KSA	Standard II.....	b	KTV	Dulcino.....
KSAA	Socony 89.....	b	KTX	Socony.....
KSAO	Lake Conesus.....	b	KTY	W. C. Teagle.....
KSB	J. E. O'Neil.....	b	KTZ	Brindilla.....
KSBV	General call for all U. S. Shipping Board vessels.....	b	KUA	Gulfflight.....
KSC	Katalla, Alaska.....	c	KUB	Gulfmaid.....
			KUBB	Cold Harbor.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
KUBD	Clairemont.....	b	KUI	Munamar.....
KUBF	San Diego.....	b	KUJ	Mundale.....
KUBG	Betterton.....	b	KUJB	The Angeles.....
KUBJ	Liberty Minquas.....	b	KUJC	Bayport.....
KUBK	Bearport.....	b	KUJF	Berhonksen.....
KUBL	Pawlet.....	b	KUJK	Havalah.....
KUBM	St. Anthony.....	b	KUJP	Hutchinson.....
KUBN	Robin Goodfellow.....	b	KUJQ	Ethan Allen.....
KUBP	City of Alma.....	b	KUJR	City of Joliet.....
KUBQ	Mazatlan.....	b	KUJS	Winston-Salem.....
KUBR	Lake Elva.....	b	KUJT	Eastern Belle.....
KUBS	Indiana Harbor.....	b	KUJV	Eastern Crag.....
KUBT	Lake Feodora.....	b	KUJX	Liberty Bell.....
KUBV	Higho.....	b	KUK	Quabbin.....
KUBX	Koggiung (moored vessel).....	c	KUKC	Munsono.....
KUC	Gulf of Mexico.....	b	KUKD	Schuylkill Bridge.....
KUCB	New England.....	b	KUKF	East Chicago.....
KUCC	Plow City.....	b	KUKG	Fort Armstrong.....
KUCD	Riverside Bridge.....	b	KUKJ	Anthracite Bridge.....
KUCF	Virginia Bridge.....	b	KUKK	West Jappa.....
KUCG	Des Moines Bridge.....	b	KUKL	Noddle Island.....
KUCJ	Holyoke Bridge.....	b	KUKM	Pittsburgh Bridge.....
KUCK	Wauwatosa.....	b	KUKP	Tancarville.....
KUCM	Lake Ikatana.....	b	KUKR	Mohinkis.....
KUCN	Eastern Guide.....	b	KUKS	Latham.....
KUCP	Chisic Island, Alaska.....	c	KUKT	Robert Luckenbach.....
KUCQ	W. F. Burdell.....	b	KUKV	Conejos.....
KUCR	Lake Giddings.....	b	KUKX	West Hixton.....
KUCS	City of Sherman.....	b	KUL	Collingsworth.....
KUCV	City of Flint.....	b	KULB	Louisiana.....
KUCX	Coldwater.....	b	KULC	Carolinas.....
KUCZ	Bridgetown.....	b	KULD	Chickamauga.....
KUD	Gulfand.....	b	KULF	Lake Geyser.....
KUDC	Tuscan.....	b	KULG	Fishkill.....
KUDD	Argon.....	b	KULJ	Darien.....
KUDG	West Jester.....	b	KULK	Eastern Pilot.....
KUDK	West Cadron.....	b	KULL	Horace Luckenbach.....
KUDL	Willso...l.....	b	KULM	Donald McKay.....
KUDM	Lake Elwin.....	b	KULN	Ario.....
KUDN	American Press.....	b	KULP	Arizpa.....
KUDP	Clontarf.....	b	KULS	Toopi.....
KUDQ	West Himrod.....	b	KULT	Outagamie.....
KUDR	Davenport.....	b	KULV	Commack.....
KUDS	Rushville.....	b	KULX	San Juan.....
KUDT	Pilot Point Alaska.....	c	KULZ	Otho.....
KUDV	Becharof, Alaska.....	c	KUM	Lyndonia.....
KUDX	Eastern Moon.....	b	KUMB	Texas.....
KUDZ	Eastern Gale.....	b	KUMC	Lake Ganado.....
UE	Gulfcoast.....	b	KUMF	Utacarbon.....
UF	Mundalta.....	b	KUMG	Dunsyre.....
UFB	Eastern Knight.....	b	KUMK	Homer.....
UFC	Lake Floravista.....	b	KUML	Freeport Sulphur No. 5.....
UFFD	Lake Florian.....	b	KUMM	Oklahoma City.....
UFF	Lake Floris.....	b	KUN	West Calera.....
UFG	Southseas.....	b	KUNB	W. E. Hutton.....
UFJ	West Nilus.....	b	KUNC	Atlantic Sun.....
UFK	Haiti.....	b	KUND	Solitaire.....
UFN	Steel Voyager.....	b	KUNF	Lake Glaucus.....
UFP	Bethlehem Shipbuilding Corporation.....	b	KUNG	Lake Flag.....
UFR	West Campgaw.....	b	KUNJ	Neptune.....
UFZ	Ossa.....	b	KUNK	Lake Harmina.....
UG	Munplace.....	b	KUNL	Lake Gunn.....
UGB	Eastern Mariner.....	b	KUNM	Eastern Glade.....
UGC	Boobyalla.....	b	KUNN	George Allen.....
UGD	Clearwater.....	b	KUNP	Union Liberty.....
UGG	Clemence C. Morse.....	b	KUNQ	Evergreen City.....
UGK	Sioux City.....	b	KUNR	Neshobee.....
UGM	Ripon.....	b	KUNS	Oronoke.....
UGN	Lake Haresti.....	b	KUNL	Wheeling Mold.....
UGP	Seminole.....	b	KUNM	Jennie R. Morse.....
UGQ	Star of Holland.....	b	KUNP	Freeport Sulphur No. 6.....
UGR	Summerleaf.....	b	KUNQ	Eastern Crown.....
UGS	Blue Triangle.....	b	KUNR	Eastern Victor.....
UGT	Jomar.....	b	KUNS	City of Vernon.....
UGV	Willhilo.....	b	KUNV	Winona.....
UGX	Ellenor.....	b	KUNZ	Chickasaw City.....
UGZ	Lillian.....	b	KUO	San Francisco, Calif.....
UH	Munwood.....	b	KUP	Pennsylvania.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.		
KUPB	Sucarsecos.	b	KUU	Brabant.....	b
KUPD	Eastern Planet.	b	KUV	Virginia.....	b
KUPF	Hahatonka.	b	KUVB	Eastern Glen.....	b
KUPG	Greenland.	b	KUVC	City of Weatherford.....	b
KUPJ	West Cahokia.	b	KUVD	Sidney M. Hauptman.....	b
KUPK	Darden.	b	KUVF	Sebonac.....	b
KUPL	Conness Peak.	b	KUVG	Eastern Tempest.....	b
KUPM	Patrick Henry.	b	KUVK	Steel Mariner.....	b
KUPN	Capillo.	b	KUVL	Steel Trader.....	b
KUPP	Cuboro.	b	KUVP	Hastnai.....	b
KUPS	Naugus.	b	KUVQ	Johnswood, Mich.	c
KUPT	Waterbury.	b	KUVR	Jordan, Mont.	c
KUPV	Kehuku.	b	KUVS	New York, N. Y.	c
KUPX	Hawarden.	b	KUVT	Jolee.....	b
KUQ	Maine.	b	KUVV	Cardonia.....	b
KUQD	Crudoil.	b	KUVX	Half Moon.....	b
KUQQ	Padnsay.	b	KUVZ	West Norranus.....	b
KUQJ	West Nivarria.	b	KUW	New York.....	b
KUQK	West Keats.	b	KUX	Munalbro.....	b
KUQL	Martinique.	b	KUXB	West Holbrook.....	b
KUQM	Las Vegas.	b	KUXC	San Pasqual.....	b
KUQN	J. F. Penrose.	b	KUXD	Cuyamaca.....	b
KUQP	Unicoli.	b	KUXF	Loretta.....	b
KUQQ	Conehatta.	b	KUXM	Cheboygan, Mich.	c
KUQR	Everett.	b	KUXN	Miles City, Mont.	c
KUQS	Margaret.	b	KUXR	John Jay.....	b
KUQT	Eastern Dawn.	b	KUXT	Long Beach, Calif.	c
KUQX	Juvigny.	b	KUXV	Pedroctas, Calif.	c
KUQZ	Montfaucon.	b	KUXZ	Honnedaga.....	b
KUR	Georgia.	b	KUZ	Coastwise.....	b
KURB	Hinckley.	b	KUZB	Cristina.....	b
KURC	Cathwood.	b	KUZC	Hahira.....	b
KURD	Arcturus.	b	KUZD	Jim Sid.....	b
KURF	Chappaque.	b	KUZF	Suholco.....	b
KURG	Artigas.	b	KUZG	Surtransco.....	b
KURJ	J. L. Reiss.	b	KUZJ	Suelco.....	b
KYRL	John R. Gibbins.	b	KUZK	Suportco.....	b
KURM	Eastern Admiral.	b	KUZL	Anahuae.....	b
KURN	Manatee.	b	KUZM	Quillwark.....	b
KURP	Salama.	b	KUZN	Pansa.....	b
KURR	Henry Steers.	b	KUZP	Hayden.....	b
KURS	Pilgrim.	b	KUZQ	Salina.....	b
KURT	Brookline.	b	KUZR	Capulin.....	b
KURV	Ohonkara.	b	KUZS	Ensley City.....	b
KURX	Eastern Coast.	b	KUZT	Peter Kerr.....	b
KURZ	Suboato.	b	KUZV	Dungannon.....	b
KUSB	Suedco.	b	KUZX	Carib.....	b
KUSC	Sunelsoco.	b	KUZZ	Cayo Mambi.....	b
KUSF	Capital of Nebraska.	b	KVA	Apache.....	b
KUSG	West Nomentum.	b	KVAA	Lake Osweya.....	b
KUSJ	Occidental.	b	KVAE	Lake Benbow.....	b
KUSK	City of Reno.	b	KVAI	Socony S2.....	b
KUSL	General call for all vessels of United States lines.	b	KVAO	Socony S3.....	b
KUSM	John F. Hylian.	b	KVB	Arapahoe.....	b
KUSN	Aquarius.	b	KVC	Comanche.....	b
KUSP	Crown City.	b	KVD	Munrio.....	b
KUSQ	James B. Duke.	b	KVE	Munindies.....	b
KUSR	Nemaha.	b	KVEI	West Galoc.....	b
KUSS	Pioneer.	b	KVF	Iroquois.....	b
KUST	West Camak.	b	KVG	Chestnut Hill.....	b
KUSX	Baccarat.	b	KVH	Huron.....	b
KUSZ	Ardia.	b	KVI	Unga, Alaska.....	c
KUT	Pan-American.	b	KVII	Montclair.....	b
KUTB	Haxtum.	b	KVIO	Lake Pearl.....	b
KUTC	West Mahwah.	b	KVIU	Allentown.....	b
KUTD	Anna E. Morse.	b	KVJ	Walter D. Munson.....	b
KUTF	Eastern Maid.	b	KVK	Tampa.....	b
KUTG	Delrosa.	b	KVL	Lenape.....	b
KUTJ	Pallas.	b	KVM	Mohawk.....	b
KUTK	City of Lordsburg.	b	KVN	Tanamo.....	b
KUTM	John P. Reiss.	b	KVO	Sagua.....	b
KUTP	Canco.	b	KVOE	Lake Garza.....	b
KUTQ	Iroquois.	b	KVOI	Lake Gaspar.....	b
KUTR	Springfield.	b	KVOO	Lake Yelerton.....	b
KUTS	Vacuum.	b	KVOU	Lake Gakona.....	b
KUTT	Birmingham City.	b	KVP	Camp 62, Calif.....	c
KUTV	Lake Furnas.	b	KVR	Elinor.....	b
KUTX	Richeoncal.	b	KVS	Gulf Queen.....	b
KUTZ	Rochester.	b	KVT	Los Angeles, Calif.....	c
		b	KVU	San Diego, Calif.....	c

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal	Station.		Call signal.	Station.	
KVUA	Lake Ormoc.....	.b	KYC	Corsair.....	.b
KVUE	Lake Akkra.....	.b	KYD	Mount Baker.....	.b
KVUO	Lake Gedney.....	.b	KYE	Castana.....	.b
KVUU	Lake Hewes.....	.b	KYG	Laguna Bell Camp, Calif.	.c
KVV	Koggiung, Alaska.....	.c	KYH	Aloha.....	.b
KVW	Seattle, Wash.....	.c	KYK	Karluk, Alaska.....	.c
KVX	Allagash.....	.b	KYL	Alitak, Alaska.....	.c
KVY	William Isom.....	.b	KYM	Armenia.....	.b
KVZ	Relay.....	.b	KYO	Noma.....	.b
KWA	Mt. Vernon Bridge.....	.b	KYP	Oneida.....	.b
KWB	Fort Pitt Bridge.....	.b	KYR	Dauntless.....	.b
KWC	Morro Castle.....	.b	KYS	Yosemite.....	.b
KWD	Antilla.....	.b	KYT	Delecto.....	.b
KWE	Santiago.....	.b	KYU	Mohawk.....	.b
KWF	Cauto.....	.b	KYV	Ascutney.....	.b
KWH	Los Angeles, Calif.....	.c	KYZ	Thorobred.....	.b
KWI	Camaguey.....	.b	KZA	Alberta.....	.b
KWJ	Yucca.....	.b	KZAA	Middlebury.....	.b
KWK	W. B. Keene.....	.b	KZAB	Basco, P. I.....	.b
KWM	Panuco.....	.b	KZAC	Calapan, P. I.....	.c
KWN	Guantanamo.....	.b	KZAE	Lake Linden.....	.b
KWO	Port Beauclair, Alaska.....	.c	KZAI	Lake Winthrop.....	.b
KWP	Sunoil.....	.b	KZAO	Lake Wilson.....	.b
KWQ	Salchuck, Alaska.....	.c	KZAU	Lake Yahara.....	.b
KWR	Port Moller, Alaska.....	.c	KZB	Alicia.....	.b
KWS	Lost Harbor, Alaska.....	.c	KZD	Cornelia.....	.b
KWT	Palo Alto, Calif.....	.c	KZE	Aberdeen, Wash.....	.c
KWU	Katrina Luckenbach.....	.b	KZEA	Keketticut.....	.b
KWV	Sacramento.....	.b	KZEE	Lake Berdan.....	.b
KWW	Radioville, Alaska.....	.c	KZEI	Lake Dymer.....	.b
KWX	Mexico.....	.b	KZEO	Lake Dancey.....	.b
KWY	Monterey.....	.b	KZEU	Lake Agomak.....	.b
KWZ	Esperanza.....	.b	KZF	Edith.....	.b
KXA	Boston.....	.b	KZG	Carolyn.....	.b
KXAA	Lake Alvada.....	.b	KZH	Helen.....	.b
KXAE	Lake Delancey.....	.b	KZIA	Lake Aurice.....	.b
KXAI	Lake Galera.....	.b	KZIE	Lake Winooski.....	.b
KXAO	Lake Otsequago.....	.b	KZII	Lake Belnona.....	.b
KXAU	Lake Harris.....	.b	KZIO	Lake Lilicusun.....	.b
KXB	City of Lowell.....	.b	KZIU	Sagaporack.....	.b
KXC	Commonwealth.....	.b	KZJ	Jean.....	.b
KXE	Mohawk.....	.b	KZK	Hilton.....	.b
KXEA	Lake Pleasant.....	.b	KZL	Halcyon.....	.b
KXEE	Lake Marion.....	.b	KZO	Margaret.....	.b
KXEI	Lake Sanford.....	.b	KZOA	Lake Medford.....	.b
KXEO	Lake Gardner.....	.b	KZOE	Lake Arline.....	.b
KXEU	Lakeville.....	.b	KZOI	Lake Helen.....	.b
KXF	New Hampshire.....	.b	KZOO	Lake Indian.....	.b
KXG	Archer.....	.b	KZOU	Lake Orange.....	.b
KXH	Plymouth.....	.b	KZP	Evelyn.....	.b
KXI	Priscilla.....	.b	KZQ	Ruth.....	.b
KXIE	Calaveras.....	.b	KZR	Remlik III.....	.b
KXII	Calicorock.....	.b	KZS	Santanta.....	.b
KXIO	Calispell.....	.b	KZT	Everett.....	.b
KXIU	Lake Calistoga.....	.b	KZU	United States.....	.b
KXJ	Providence.....	.b	KZUE	Kosciuszko.....	.b
KXK	Funter, Alaska.....	.c	KZUU	Lake Louise.....	.b
KXL	City of Taunton.....	.b	KZW	Melrose.....	.b
KXM	Mohegan.....	.b	KZX	Newton.....	.b
KXX	New Haven.....	.b	WAA	Alameda.....	.b
KXO	City of Brockton.....	.b	WAAI	Shock, Ky.....	.c
KXOA	Star of Lapland.....	.b	WAB	Saugerties.....	.b
KXOE	Severance.....	.b	WAC	Chicago.....	.b
KXOI	Standard.....	.b	WAD	Victoria.....	.b
KXOU	Lake Lessa.....	.b	WAE	Ketchikan.....	.b
KXP	Pequonnock.....	.b	WAF	Admiral Farragut.....	.b
KXQ	Chester W. Chapin.....	.b	WAG	Admiral Sebree.....	.b
KXR	Richard Peck.....	.b	WAH	Ei Dorado, Kans.....	.c
KXT	Nebraskan.....	.b	WAI	Latouche.....	.b
KXU	Westfield.....	.b	WAJ	Jefferson.....	.b
KXUA	Lake Geneva.....	.b	WAK	Vadez.....	.b
KXUE	Eastern Queen.....	.b	WAL	Santa Ana.....	.b
KXUI	Lake Lillian.....	.b	WAM	Back Bay.....	.b
KXV	Nelson Lagoon, Alaska.....	.c	WAN	Northwestern.....	.b
KXW	Ikatan, Alaska.....	.c	WAO	Rajah.....	.b
KXX	Stephen R. Jones.....	.b	WAP	Lake Crescent.....	.b
KXY	Lewis K. Thurlow.....	.b	WAQ	Democracy.....	.b
KXZ	Felix Taussig.....	.b	WAR	Cordova.....	.b
KYA	Kanawha.....	.b	WAS	Chester Sun.....	.b
KYB	North Wind.....	.b	WAT	Skagway.....	.b

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
WAU	Point Loma.....	b	WDI	City of Miami.....
WAV	Philippines.....	b	WDIA	South Pole.....
WAW	Admiral Watson.....	b	WDIE	Watheena.....
WAX	Miami, Fla.....	c	WDII	Watowwan.....
WAY	Admiral Dewey.....	b	WDIO	Westmead.....
WAZ	Admiral Schley.....	b	WDIU	West View.....
WBA	Santa Clara.....	b	WDL	Lakeland.....
WBAI	Heffron.....	b	WDN	Ann Arbor No. 3.....
WBAK	Harrisburg, Pa.....	c	WDO	Ann Arbor No. 4.....
WBB	Santa Cecilia.....	b	WDOA	Agwidale.....
WBC	New York, N. Y. (see Babylon).....	c	WDOE	Auburn.....
WBD	Santa Cruz.....	b	WDOI	Cape May.....
WBE	Cadice.....	b	WDOO	Federal.....
WBF	Boston, Mass.....	c	WDP	Fort Wayne.....
WBG	Venezuela.....	b	WDOU	Ann Arbor No. 5.....
WBH	Colombia.....	b	WDQ	Ann Arbor No. 6.....
WBI	Frackville, Pa.....	c	WDR	Ruth Alexander.....
WBIA	Chipchung.....	b	WDS	Hauto, Pa.....
WBJ	Santa Barbara.....	b	WDU	Puritan.....
WBK	Saucon.....	b	WDUA	Lake Fraze.....
WBM	Redondo.....	b	WDUI	Lake Freeborn.....
WBN	Ecuador.....	b	WDUO	Lake Freed.....
WBO	Santa Rosa.....	b	WDUU	Lake Freeland.....
WPB	Hermosa.....	b	WDV	City of Benton Harbor.....
WBQ	Santa Paula.....	b	WDX	Lake Tulare.....
WBU	Chicago, Ill.....	c	WEA	City of Cleveland III.....
WBUA	Lake Gravity.....	b	WEC	City of Detroit II.....
WBUE	Lake Greenbrier.....	b	WED	Western States.....
WBUI	Lake Gretna.....	b	WEE	Eastern States.....
WBUE	Lake Grogan.....	b	WEF	City of Detroit III.....
WBUU	Lake Forney.....	b	WEG	City of St. Ignace.....
WBV	Cabrillo.....	b	WEH	Tulsa, Okla.....
WBW	Burrwood, La.....	c	WEI	E. J. Earling.....
WBX	Santa Ana.....	b	WEJ	Samuel Mitchell.....
WBY	Lima, Ohio.....	c	WEK	Minnesota.....
WBZ	Springfield, Mass.....	c	WEL	C. A. Smith.....
WCA	Tionesta.....	b	WEM	Susquehanna.....
WCAA	Tralce, W. Va.....	c	WEN	North American.....
WCB	Juniata.....	b	WEQ	South American.....
WCC	Marion, Mass.....	c	WEP	Western King.....
WCD	Octorara.....	b	WER	Puget Sound.....
WCEE	Kuwa.....	b	WES	Point Adams.....
WCF	Favorite.....	b	WET	West Gotomaska.....
WCG	New York, N. Y.....	c	WEU	Western Star.....
WCH	Huron.....	b	WEX	Marquette and Bessemer No. 2.....
WCI	Barnegat, N. J. (Tuckerton).....	c	WEZ	Ashtabula.....
WCIA	Bellingham.....	b	WFA	Georgia.....
WCIE	Eastport.....	b	WFAE	West Galeta.....
WCII	Invincible.....	b	WFAI	West Hobomac.....
WCIO	Lake Lemando.....	b	WFAO	Volunteer.....
WCII	Naiwa.....	b	WFB	Alabama.....
WCJ	Hazleton, Pa.....	c	WFC	Indiana.....
WCL	Westchester.....	b	WFE	Carolina.....
WCO	Wyandotte.....	b	WFEA	Eastern King.....
WCOE	Socony 84.....	b	WFEF	Winding Gulf.....
WCOI	Socony 92.....	b	WFEI	West Hosokie.....
WCOO	Liberty.....	b	WFEQ	Westport.....
WCOU	Lake Kytle.....	b	WFEU	Matanzas.....
WCQ	Negley, Ohio.....	c	WFF	Nevedan.....
WCR	The Harvester.....	b	WFG	Arizona.....
WCS	Alpena.....	b	WFH	Avalon.....
WCU	Conneaut.....	b	WFIA	Western Hope.....
WCUA	Lake Forsby.....	b	WFII	Major Wheeler.....
WCUE	Lake Fossil.....	b	WFJ	Christopher Columbus.....
WCUO	Lake Franconia.....	b	WFK	Frankfort, Mich.....
WCUU	Lake Fray.....	b	WFL	Virginia Limited.....
WCW	Woonsocket.....	b	WFN	Lake Butler.....
WCY	Cape May, N. J.....	c	WFOA	Hickman.....
WCZ	Illinois.....	b	WFOE	Lewis Luckenbach.....
WDA	Pere Marquette.....	b	WFOI	Manhattan Island.....
WDB	Pere Marquette 19.....	b	WFOO	William N. Page.....
WDC	Pere Marquette 17.....	b	WFOU	Phoenix Bridge.....
WDD	Pere Marquette 18.....	b	WFP	City of Erie.....
WDE	Pere Marquette 20.....	b	WFQ	City of Buffalo.....
WDEI	Crawl Keys.....	b	WFR	State of Ohio.....
WDEO	Steadfast.....	b	WFS	Seandbee.....
WDEU	Bayamo.....	b	WFT	Charles O. Jenkins.....
WDF	Glendaruel.....	b	WFU	F. B. Squire.....
WDG	Otsego.....	b	WFUA	Lake Freezeout.....
WDH	Petoskey.....	b	WFUB	Lake Frenchton.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
WFUI	A. E. R. Schneider.....	b	WJAV	Princeton, Ind.....
WFUU	Oshkosh.....	b	WJB	Lawrenceville, Ill.....
WFV	Sir Thomas Shaughnessy.....	b	WJC	Owensboro, Ky.....
WFW	Manitou.....	b	WJE	Skagit Power Site, Wash.....
WFX	Missouri.....	b	WJEI	Mary Weems.....
WFY	Sialia.....	b	WJEQ	Phoenix.....
WFZ	Coronado.....	b	WJG	Porto Rico.....
WGA	City of Seattle.....	b	WJIA	West Zucker.....
WGAA	Inglewood.....	b	WJIE	Guimba.....
WGAE	Galesburg.....	b	WJII	Oskaloosa.....
WGAI	Morristown.....	b	WJIO	Independence.....
WGAO	Shreveport.....	b	WJIU	Schenectady.....
WGB	Ormidale.....	b	WJJ	Tulahoma, Tenn.....
WGC	W. F. White.....	b	WJL	Wachusetts.....
WGD	Oregon.....	b	WJM	J. C. Donnell.....
WGE	Admiral Rogers.....	b	WJN	Munaires.....
WGEA	Easterner.....	b	WJO	Commercial Guide.....
WGEI	East Indian.....	b	WJOA	West Elcasco.....
WGG	Tuckerton, N. J.....	c	WJOE	West Eldara.....
WGIA	West Gramma.....	b	WJOI	West Loquassuck.....
WGIE	Nantahala.....	b	WJOO	West Madaket.....
WGJ	Northland.....	b	WJOU	West Kyska.....
WGK	Curacao.....	b	WJP	Stuyvesant.....
WGN	Carl D. Bradley.....	b	WJQ	Jackson, Ohio.....
WGOE	Polar Bear.....	b	WJR	W. M. Tupper.....
WGOI	Saccarappa.....	b	WJS	Amphion.....
WGOU	Waubesa.....	b	WJU	Commercial Pathfinder.....
WGOU	West Cressy.....	b	WJUI	Cohasset.....
WGP	Dorothy Alexander.....	b	WJUO	Magunkook.....
WGQ	City of Puebla.....	b	WJV	Guaro.....
WGS	Admiral Fiske.....	b	WJW	Wyandotte.....
WGT	Western Pride.....	b	WJZ	Newark, N. J.....
WGUA	Oskawa.....	b	WKA	Alaskan.....
WGUI	Brandywine.....	b	WKAЕ	Socony 85.....
WGWI	Vieques, P. R.....	c	WKAI	Lake Zaliski.....
WGWW	Queen.....	b	WKAО	Lake Pickaway.....
WGXX	Guardian.....	b	WKAP	Cranston, R. I.....
WHA	Madison, Wis.....	c	WKAU	Lake Copley.....
WHC	Columbia.....	b	WKB	Arizonan.....
WHE	Philadelphia, Pa.....	c	WKD	Dakotan.....
WHF	Callao.....	b	WKE	Kentuckian.....
WHG	W. F. Burrows.....	b	WKEA	Lake Deval.....
WHH	Mount Shasta.....	b	WKEE	Lake Cahoon.....
WHI	New York, N. Y.....	c	WKEI	Lake Ypsilanti.....
WHJ	Gdansk.....	b	WKEO	Goodspeed.....
WHL	Ventura.....	b	WKF	American.....
WHM	Sonoma.....	b	WKG	S. M. Spalding.....
WHP	Point Arena.....	b	WKH	Guntersville, Ala.....
WHG	Abner Coburn.....	b	WKII	Eastern Light.....
WHH	Mount Shasta.....	b	WKIO	Eastern Shore.....
WHI	New York, N. Y.....	c	WKIU	Eastern Cross.....
WHJ	Gdansk.....	b	Wkj	Iowan.....
WHL	Ventura.....	b	WKK	Celiba, P. R.....
WHM	Sonoma.....	b	WKL	Mexican.....
WHP	Point Arena.....	b	WKM	Minnesotan.....
WHG	Abner Coburn.....	b	WKO	Oregonian.....
WHH	Mount Shasta.....	b	WKOО	Connerville.....
WHI	New York, N. Y.....	c	WKP	Pennsylvanian.....
WHJ	Gdansk.....	b	WКQ	Ohioan.....
WHL	Ventura.....	b	WKR	Panaman.....
WHM	Sonoma.....	b	WKS	West Arrow.....
WHP	Point Arena.....	b	WKT	Texan.....
WHG	Abner Coburn.....	b	WKU	Hawaiian.....
WHH	Mount Shasta.....	b	WКUІ	Western Belle.....
WHI	New York, N. Y.....	c	WКUU	West Zeda.....
WHJ	Gdansk.....	b	WKV	Virginian.....
WII	New Brunswick, N. J. (transmitting).{	c	WKW	Absaroka.....
WIJ	Belmar, N. J. (receiving).{	b	WKX	Westward Ho.....
WIM	Edward L. Doheny, Junior.....	b	WKZ	Canoga.....
WIN	Chatham, Mass.....	c	WLA	Benj. F. Packard.....
WIO	Colusa.....	b	WLAA	Sarcoxie.....
WIQ	Fort Morgan, Ala.....	c	WLAC	Raleigh, N. C.....
WIS	Frederick R. Kellogg.....	b	WLAE	Barlow.....
WIT	E. R. Sterling.....	b	WLAI	Lake Grandon.....
WIU	George G. Henry.....	b	WLAU	Lake Fluvanna.....
WIV	Restorer.....	b	WLC	New London, Conn.....
WIW	Oscar D. Bennett.....	b	WLD	Ludington, Mich.....
WIX	J. M. Danziger.....	b	WLE	Maitland No. 1.....
WIY	Harold Walker.....	b	WLEA	Lake Farge.....
WJA	William Green.....	b	WLEE	Lake Faristell.....
WJAI	Andalusia.....	b		
WJAO	Sangamon.....	b		
	Yuma.....	b		
	M. J. Scanlon.....	b		

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
WLEI	Lake Forkville.....	b	WNIO	Python.....
WLEO	Lake Cathcoom.....	b	WNIU	Cornucopia.....
WLEU	Lake Fugard.....	b	WNK	Richard J. Reiss.....
WLF	Coosa.....	b	WNL	Lake St. Clair.....
WLG	Yucatan.....	b	WNM	Florence Luckenbach.....
WLH	Fort Bragg.....	b	WNW	Mobile, Ala.....
WLI	Westbrook.....	b	WNP	Bowdoin.....
WLIA	Santa Teresa.....	b	WNQ	Frederic Ewing.....
WLII	Goree.....	b	WNR	Rush.....
WLIO	Nantasket.....	b	WNS	Kvichak.....
WLJ	Monticello.....	b	WNU	New Orleans, La.....
WLL	Greenwood.....	b	WNUO	Brookdale.....
WLM	Stanley Dollar.....	b	WNV	Hatteras.....
WLN	Black Arrow.....	b	WNW	San Ramon.....
WLO	Orion.....	b	WNX	Peter Reiss.....
WLOO	Cadarella.....	b	WNY	Brooklyn, N. Y.....
WLP	Minneapolis, Minn.....	c	WNZ	F. J. Luckenbach.....
WLQ	Sabine Sun.....	b	WOA	Admiral Rodman.....
WLR	Floridian.....	b	WOC	Davenport, Iowa.....
WLS	President Arthur.....	b	WOD	Beaumont, Tex.....
WLT	Neuse.....	b	WOF	Horace X. Baxter.....
WLUI	Alamosa.....	b	WOG	Fred Baxter.....
WLUU	Alcona.....	b	WOJ	Iris.....
WLY	Ingold.....	b	WOL	Los Angeles.....
WLZ	Paul Luckenbach.....	b	WOM	William A. McKenney.....
WMA	Montpelier.....	b	WON	La Brea.....
WMAA	Multnomah.....	b	WOP	Lake Elizabeth.....
WMAE	Lake Furley.....	b	WOT	Coalinga.....
WMAF	H. W. Baxter.....	b	WOW	Venetia.....
WMAI	Makena.....	b	WOX	Henry J. Biddle.....
WMAO	Makaweli.....	b	WOY	Levi G. Burgess.....
WMD	West Shore.....	b	WPAE	Queen II.....
WMEA	Charles L. O'Connor.....	b	WPAI	Sag Harbor.....
WMEE	Michael Tracy.....	b	WPAO	Yomachichi.....
WMEI	Cotopaxi.....	b	WPC	Wilcox.....
WMEO	F. A. Warner.....	b	WPD	Tyee.....
WMEU	Cottonwood.....	b	WPF	Tampa, Fla.....
WMF	Celilo.....	b	WPH	Camp Eustis, Va., Flagship Div. I.....
WMG	Wapama.....	b	WPF	S. M. Fischer.....
WMI	Minnesota.....	b	WPIE	Corrales.....
WMIO	W. H. McGehee.....	b	WPII	Corsicana.....
WMIU	Charles L. Hutchinson.....	b	WPIO	Lake Fostoria.....
WMJ	Ernest H. Meyer.....	b	WPIU	Lake Fouche.....
WMK	Hyades.....	b	WPK	Willapa.....
WML	Lurline.....	b	WPL	St. Croix Falls, Wis.....
WMM	Freeman.....	b	WPN	Pioneer.....
WMN	Enterprise.....	b	WPOO	Washtenaw.....
WMO	Wilhelmina.....	b	WPOU	Charles M. Everest.....
WMOA	Tillamook.....	b	WPQ	Zapora.....
WMP	Matsonia.....	b	WPR	Ensenada, P. R.....
WMQ	Manoa.....	b	WPS	Starr.....
WMR	Maui.....	b	WPUE	Caddopeak.....
WMS	Wahkeena.....	b	WPUI	Callabasas.....
WMT	Point Bonita.....	b	WPVO	Cascade.....
WMUA	Wheaton.....	b	WPUU	Coaxet.....
WMUE	Cokato.....	b	WPX	Oneonta.....
WMUI	Charlot.....	b	WPY	Wallula.....
WMUO	Panola.....	b	WQD	Hisko.....
WMV	Kermut.....	b	WQE	Harvey H. Brown.....
WMW	Manitowoc, Wis.....	c	WQEA	Lithopolis.....
WMY	A. M. Byers.....	b	WQEE	Everglades.....
WMZ	Commercial Trader.....	b	WQEJ	West Zula.....
WNA	Springfield, Ohio.....	c	WQEJ	Canibas.....
WNAA	Craincreek.....	b	WQF	Harry W. Croft.....
WNAE	Crane nest.....	b	WQG	Fayette Brown.....
WNAI	Craycroft.....	b	WQH	M. A. Bradley.....
WNAO	Lake Callicoon.....	b	WQI	Costa Rica.....
WNAU	Lake Fresco.....	b	WQII	Holbrook.....
WNB	El Capitan.....	b	WQJO	Neponset.....
WNC	Wabash.....	b	WQJ	Sarah Weems.....
WND	Windber.....	b	WQK	St. James, N. Y.....
WNE	Nushagak.....	b	WQL	Coram Hill, N. Y.....
WNEA	Lake Charlottesville.....	b	WQOA	Esther Weems.....
WNEO	Dio.....	b	WQOE	Garfield.....
WNG	Otto M. Reiss.....	b	WQQ	Rappahannock.....
WNH	Clemens A. Reiss.....	b	WQR	Nansemond.....
WNI	William A. Reiss.....	b	WQS	Artemis.....
WNIE	Agawam.....	b	WQT	Watauga.....
WNII	Challenger.....	b	WQU	Cuba.....

## COMMERCIAL LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.		Call signal.	Station.
WQUA	Cokesit.....	b	WTEU	Coperas.....
WQUO	Iconium.....	b	WTF	Westwood.....
WQUU	Jacoma.....	b	WTH	Westlake.....
WQW	Jeanette Skinner.....	b	WTII	Socony 90.....
WQZ	West Eagle.....	b	WTIO	Socony 94.....
WRA	O. A. Hermanson.....	b	WTIU	Deerfield.....
WRAE	Alabama.....	b	WTJ	Sutherland.....
WRAL	Allegheny.....	b	WTM	W. S. Porter.....
WRD	D. G. Scofield.....	b	WTN	Wm. F. Herrin.....
WRE	J. A. Moffett.....	b	WTO	Frank H. Buck.....
WREA	West Lashaway.....	b	WTOO	Toiler.....
WREE	Wauconda.....	b	WTOU	Coulee.....
WREI	Quistconck.....	b	WTQ	El Segundo.....
WREO	Zirkel.....	b	WTR	Richmond.....
WREU	Governor John Lind.....	b	WTS	Col. E. L. Drake.....
WRF	Amelia.....	b	WTUU	Atlas.....
WRG	Annetta.....	b	WTUE	Laurel.....
WRH	Harvard.....	b	WTUI	Calvert.....
WRI	Paraiso.....	b	WTUO	Houma.....
WRIE	Lake Gorin.....	b	WTUU	West Mahomet.....
WRJO	Star 1.....	b	WTV	Captain A. F. Lucas.....
WRJ	Admiral Goodrich.....	b	WTW	Ossineke.....
WRN	Siboney.....	b	WTY	S. O. Co. No. 93.....
WRO	Middlesex.....	b	WTZ	S. O. Co. No. 95.....
WROA	Westpool.....	b	WVA	Coquina.....
WROE	Indianapolis.....	b	WVAE	Corapeak.....
WROI	Lydia.....	b	WVAI	Nancy Weems.....
WROO	E. L. Doheny, third.....	b	WVAO	Conotton.....
WRQ	Marion, Mass. (Matapoisett).c	c	WVAU	Contoocook.....
WRS	Suffolk.....	b	WVEI	Basco.....
WRT	New Brunswick, N. J. (Bound Brook).c	c	WVEU	Isanti.....
WRUO	Quittacas.....	b	WVIA	Lake Gormania.....
WRV	Alliance.....	b	WVIU	Lake Govan.....
WRX	Ozama.....	b	WVOE	Elecedro.....
WRY	Yale.....	b	WVOI	Mummotor.....
WRZ	Rainier.....	b	WVOO	John Tracy.....
WSA	East Hampton, N. Y.....	c	WVOU	Anthony O'Boyle.....
WSD	Redwood.....	b	WVUA	Courageous.....
WSE	East Moriches, N. Y.....	c	WWA	China.....
WSEA	Defiance.....	b	WWAA	General call for all Radio Corporation b of America vessels.....
WSEE	W. L. Steed.....	b	WWC	Western Wave.....
WSEI	Cricket.....	b	WWE	Manchuria.....
WSEO	Lake Fondulac.....	b	WWH	Newport.....
WSEU	Lake Buckeye.....	b	WWJ	Detroit, Mich.c
WSF	Agnes Dollar.....	b	WWK	Western Queen.....
WSG	Norwood.....	b	WWM	San Juan.....
WSI	Santa Inez.....	b	WWN	Mongolia.....
WSJ	Edna Christenson.....	b	WWP	Ausable.....
WSM	Fair Oaks.....	b	WWR	Rose City.....
WSN	Leviathan.....	b	WXAA	Ozaukee.....
WSO	(Marion, Mass. (transmitting).c	c	WXEA	Western Scout.....
WSOI	(Chatham, Mass. (receiving).b	b	WXEI	Western Comet.....
WSOO	West Sequana.....	b	WXEO	West Cape.....
WSP	Crathorne.....	b	WXEU	Yukon.....
WSQ	Westhampton.....	b	WXIA	Victorious.....
WSR	Vizcaya.....	b	WXOA	Brookings.....
WSS	Reuce.....	b	WXOE	W. J. Crosby.....
WST	St. Nicholas.....	b	WXOI	Penobscot.....
WSU	New London, Conn.....	c	WXOO	Craigsmere.....
WSUA	Republic.....	b	WXUI	Hampden.....
WSUE	West Helix.....	b	WXUO	Monmouth.....
WSUI	West Wauna.....	b	WZAA	L. J. Drake.....
WSUU	West Waunakee.....	b	WZAE	West Humhaw.....
WSW	Lake Gradan.....	b	WZAU	E. C. Pope.....
WSZ	Willamette.....	b	WZEA	Saxon.....
WTAA	Bremerton.....	b	WZEE	Maruba.....
WTAE	Lake Beacon.....	b	WZEU	North Pines.....
WTAI	Lake Desha.....	b	WZIU	Western Plains.....
WTAO	Lake Mattato.....	b	WZOA	West Africa.....
WTC	Lake Licoco.....	b	WZOE	Lake Gratis.....
WTD	Lansing.....	b	WZOI	Lake Grattan.....
WTE	Oleum.....	b	WZOQ	Lake Gravella.....
WTEE	Tamesi.....	b	WZOU	Lake Gravett.....
WTEI	Cedar Spring.....	b	WZUA	Norfolk.....
WTEO	Ceralvo.....	b	WZUE	Newburgh.....

## BROADCASTING STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

Station.	Call signal.	Station.	Call signal.
Aberdeen, Wash.	KNT	Canton, Ohio	WWB
Abilene, Tex.	WQAQ	Cape Girardeau, Mo.	WSAB
Agricultural College, N. Dak.	WPAK	Carthage, Ill.	WCAZ
Akron, Ohio	WOE	Casper, Wyo.	KFDF
Albany, N. Y.	WNJ	Cazenovia, N. Y.	WMAC
Alexandria, La.	KFFY	Cedar Rapids, Iowa	WJAM
Allentown, Pa.	WCBA	Cedar Rapids, Iowa	WKAA
Allentown, Pa.	WSAN	Centerville, Iowa	WDAX
Altadena, Calif.	KGO	Charleston, S. C.	WNAQ
Altoona, Pa.	WGAW	Charleston, S. C.	WOAH
Amarillo, Tex.	WDAG	Charleston, W. Va.	WPAZ
Amarillo, Tex.	WQAC	Charlotte, N. C.	WBT
Amarillo, Tex.	WRAU	Cheney, Kans.	KFGP
Ames, Iowa	WOI	Chicago, Ill.	KYW
Amsterdam, N. Y.	WPAS	Chicago, Ill.	WAAF
Anderson, Ind.	WABC	Chicago, Ill.	WBU
Ann Arbor, Mich.	WQAJ	Chicago, Ill.	WDAP
Anthony, Kans.	WBL	Chicago, Ill.	WJAZ
Ardmore, Okla.	WOAA	Chicago, Ill.	WLAG
Arlington, Oreg.	KFGL	Chicago, Ill.	WMAQ
Asheville, N. C.	WFAJ	Chicago, Ill.	WPAD
Atlanta, Ga.	WGM	Chicago, Ill.	WSAH
Atlanta, Ga.	WSB	Chickasha, Okla.	KFGD
Atlantic City, N. J.	WHAR	Cincinnati, Ohio	WAAD
Atwood, Kans.	WEAD	Cincinnati, Ohio	WHAG
Auburn, Ala.	WMAV	Cincinnati, Ohio	WIZ
Austin, Tex.	WCM	Cincinnati, Ohio	WLW
Austin, Tex.	WNAS	Cincinnati, Ohio	WMH
Baker, Oreg.	KFDA	Cincinnati, Ohio	WSAI
Bakersfield, Calif.	KDZB	Clarksburg, W. Va.	WHAK
Baltimore, Md.	WCAO	Clemson College, S. C.	WPI
Baltimore, Md.	WEAR	Cleveland, Ohio	WSAC
Baltimore, Md.	WKC	Cleveland, Ohio	KDPM
Baltimore, Md.	WNAY	Cleveland, Ohio	WJK
Bangor, Me.	WABI	College Park, Ga.	WJAX
Bangor, Me.	WPAY	College Station, Tex.	WDAJ
Baton Rouge, La.	KFGC	Colorado Springs, Colo.	WTAW
Baudette, Minn.	KFGY	Colorado Springs, Colo.	KFCK
Bay City, Mich.	WTP	Columbia, Mo.	KFFQ
Beaumont, Tex.	WMAM	Columbus, Ohio	WAAN
Bellingham, Wash.	KDZR	Columbus, Ohio	WBAV
Bellows Falls, Vt.	WLAK	Columbus, Ohio	WCAH
Beloit, Kans.	WPAR	Columbus, Ohio	WEAO
Beloit, Wis.	WKAW	Columbus, Ohio	WMAN
Belvidere, Ill.	WOAG	Columbus, Ohio	WPAL
Berkeley, Calif.	KQI	Corvallis, Oreg.	KFDJ
Berkeley, Calif.	KRE	Council Bluffs, Iowa	WPAF
Berrien Springs, Mich.	KFGZ	Cranston, R. I.	WKAP
Billings, Mont.	KFCH	Dallas, Tex. (portable)	KFFZ
Binghamton, N. Y.	WIAV	Dallas, Tex.	WDAO
Birmingham, Ala.	WSY	Dallas, Tex.	WFAA
Boise, Idaho	KFAU	Dallas, Tex.	WRR
Boise, Idaho	KFDD	Dartmouth, Mass.	WMAF
Boise, Idaho	KFFB	Dartmouth, Mass.	WSAQ
Boone, Iowa	KFGQ	Davenport, Iowa	WHAI
Boston, Mass.	WNAC	Davenport, Iowa	WOC
Boulder, Colo.	KFAJ	David City, Nebr.	WRAR
Bowling Green, Ky.	WNAB	Dayton, Ohio	WABD
Bozeman, Mont.	KFDO	Dayton, Ohio	WJAJ
Bridgeport, Conn.	WKAX	Dearborn, Mich.	WWI
Brookings, S. Dak.	KFDY	Decatur, Ill.	WBAO
Brookville, Ind.	WSAL	Decatur, Ill.	WHAP
Buffalo, N. Y.	WGR	Denver, Colo.	KDZQ
Burlington, Iowa	WIAS	Denver, Colo.	KFAF
Burlington, Iowa	WLAT	Denver, Colo.	KFDL
Burlington, Vt.	WCAX	Denver, Colo.	KFEL
Butler, Mo.	WNAR	Denver, Colo.	KFEP
Butte, Mont.	KFAP	Denver, Colo.	KFIC
Camden, N.J.	WRP	Denver, Colo.	KFLE
Cameron, Mo.	WFAQ	Denver, Colo.	KLZ
Canton, N. Y.	WCAD	Des Moines, Iowa	KFDP

## BROADCASTING STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station.	Call signal.
Des Moines, Iowa	WGF	Jacksonville, Fla.	WABG
Detroit, Mich.	WCX	Jacksonville, Fla.	WDAL
Detroit, Mich.	WWJ	Jefferson City, Mo.	WOS
Detroit, Mich.	KOP	Johnstown, Pa.	WTAC
Douglas, Wyo.	KFEV	Joplin, Mo.	WHAH
Dubuque, Iowa	WQAK	Juneau, Alaska	KFIU
Duluth, Minn.	WJAP	Kalamazoo, Mich.	WLAQ
Duluth, Minn.	WMAT	Kalamazoo, Mich.	WOAP
East Lansing, Mich.	WKAR	Kansas City, Mo.	WDAF
Easton, Pa.	WMAP	Kansas City, Mo.	WHB
East Pittsburgh, Pa.	KDKA	Kansas City, Mo.	WMAJ
East Providence, R. I.	WKAD	Kansas City, Mo.	WOQ
Edgewood, R. I.	WEAG	Kearney, Nebr.	KFHP
Elgin, Ill. (near)	WTAS	Kellogg, Idaho	KFEY
El Monte, Calif.	KUY	Kenosha, Wis.	WOAR
El Paso, Tex.	WDAH	Knoxville, Tenn.	WNAV
El Paso, Tex.	WPAT	Lacey, Wash.	KGY
Emporia, Kans.	WAAZ	Laconia, N. H.	WKAV
Erie, Pa.	WOAV	La Crosse, Wis.	WABN
Eugene, Oreg.	KFAT	Lake Forest, Ill.	WABA
Evansville, Ind.	WNAM	Lakeside, Colo.	KFKH
Everett, Wash.	KFBL	Lamoni, Iowa	KFFV
Fairbanks, Alaska	WLAY	Lancaster, Pa.	WDBC
Fall River, Mass.	WSAR	Lancaster, Pa.	WGAL
Fall River, Mass.	WTAB	Lansing, Mich.	WHAL
Fargo, N. Dak.	WDAY	Laporte, Ind.	WRAF
Fayetteville, Ark.	KFDV	Laramie, Wyo.	KFBU
Flint, Mich.	WEAA	Laredo, Tex.	WWAX
Fort Dodge, Iowa	KFER	Lawrenceburg, Tenn.	WOAN
Fort Dodge, Iowa	WEAB	Le Mars, Iowa	KFCY
Fort Monroe, Va.	WNAW	Le Mars, Iowa	WIAU
Fort Smith, Ark.	WGAR	Lexington, Ky.	WQAH
Fort Worth, Tex.	WBAP	Lihue, Hawaii	KFHS
Frankfort, Ky.	WOAK	Lima, Ohio	WOAC
Fremont, Nebr.	WPAE	Lincoln, Nebr.	KFDU
Fresno, Calif.	KMJ	Lincoln, Nebr.	WFAV
Frostburg, Md.	WPKA	Lincoln, Nebr.	WJAB
Gainesville, Ga.	WHAB	Lincoln, Nebr.	WKAC
Galveston, Tex.	WIAC	Lincoln, Nebr.	WMAH
Galveston, Tex.	KFIK	Lindsborg, Kans.	WDAD
Gladbrook, Iowa	WRAX	Little Rock, Ark.	WCAV
Gloucester City, N. J.	WOAB	Lockport, N. Y.	WMAK
Grand Forks, N. Dak.	KFJA	Long Beach, Calif.	KSS
Grand Island, Nebraska	WJD	Los Angeles, Calif.	KDZF
Granville, Ohio	KDYS	Los Angeles, Calif.	KFI
Great Falls, Mont.	KFJD	Los Angeles, Calif.	KHJ
Greeley, Colo.	KFKA	Los Angeles, Calif.	KJS
Greeley, Colo.	WLAX	Los Angeles, Calif.	KNR
Greencastle, Ind.	WQAZ	Los Angeles, Calif.	KNV
Greensboro, N. C.	WCBB	Los Angeles, Calif.	KNX
Greenville, Ohio	WQAV	Los Angeles, Calif.	KUS
Greenville, S. C.	KFU	Los Gatos, Calif.	KWH
Gridley, Calif.	WSAJ	Louisburg, Kans.	KFHQ
Grove City, Pa.	KFHA	Louisville, Ky.	KFL
Gumison, Colo.	WBAU	Louisville, Ky.	WHAS
Hamilton, Ohio	WRK	Lowell, Mass.	WLAP
Hamilton, Ohio	WABB	Macon, Ga.	WQAS
Harrisburg, Pa.	WDAK	Madison, Wis.	WMAZ
Hartford, Conn.	WQAY	Madison, Wis.	WGAY
Hastings, Nebr.	KFBB	Manhattan, Kans.	WHA
Havre, Mont.	KFFO	Marietta, Ohio	WTG
Hillsboro, Oreg.	KFAR	Marietta, Ohio	WBAW
Hollywood, Calif.	KDYX	Marion, Ind.	WSAA
Honolulu, Hawaii	KGU	Marion, Kans.	WIAQ
Honolulu, Hawaii	KYQ	Marshall, Mo.	WRAD
Honolulu, Hawaii	KFHB	Marshalltown, Iowa	WJAT
Hood River, Oreg.	KQP	Mattoon, Ill.	KFJB
Hood River, Oreg.	WLAN	Mayville, N. Dak.	WQAL
Houlton, Me.	KFCV	McKeesport, Pa.	KFHU
Houston, Tex.	WCAK	McLeansboro, Ill.	WIK
Houston, Tex.	WEAY	Medford, Oreg.	WRAS
Houston, Tex.	WEV	Medford Hillside, Mass.	KFAY
Houston, Tex.	WRAA	Memphis, Tenn.	WGI
Houston, Tex.	WHAY	Miami, Fla.	WMC
Huntington, Ind.	KFHX	Middleport, Ohio	WQAM
Hutchinson, Kans.	WFAN	Middletown, Conn.	WSAK
Hutchinson, Minn.	KFIX	Milwaukee, Wis.	WOAS
Independence, Mo.	KFID	Milwaukee, Wis.	WAAK
Iola, Kans.	WHAH	Milwaukee, Wis.	WCAY
Iowa City, Iowa	WEAI	Milwaukee, Wis.	WHAD
Ithaca, N. Y.			WIAO

## BROADCASTING STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station.	Call signal.
Minneapolis, Minn.	KFDZ	Philadelphia, Pa.	WNAT
Minneapolis, Minn.	KFEX	Philadelphia, Pa.	WOO
Minneapolis, Minn.	WBAD	Philadelphia, Pa.	WWAD
Minneapolis, Minn.	WBAH	Phoenix, Ariz.	KDYW
Minneapolis, Minn.	WCAS	Phoenix, Ariz.	KFAD
Minneapolis, Minn.	WCE	Pine Bluff, Ark.	WOK
Minneapolis, Minn.	WLAG	Pittsburg, Kans.	KFIV
Minneapolis, Minn.	WLB	Pittsburgh, Pa.	KQV
Mishawaka, Ind.	WOAO	Pittsburgh, Pa.	WCAE
Moberly, Mo.	KFFP	Pittsburgh, Pa.	WJAS
Mobile, Ala.	WEAP	Plainview, Tex.	WSAT
Modesto, Calif.	KXD	Platte, S. Dak.	KFLJ
Monterey, Calif.	KLN	Port Arthur, Tex.	WFAH
Montgomery, Ala.	WKAN	Portland, Oreg.	KDYQ
Moorestown, N. J.	WBAF	Portland, Oreg.	KFEC
Moorehead, Minn.	WPAU	Portland, Oreg.	KFIF
Morgantown, W. Va.	WHD	Portland, Oreg.	KGG
Moscow, Idaho.	KFAN	Portland, Oreg.	KGN
Mount Vernon, Ill.	WABF	Portland, Oreg.	KGW
Muncie, Ind.	WJAF	Portsmouth, Va.	WOAQ
Neah Bay, Wash.	KFHH	Poughkeepsie, N. Y.	WFAF
Neenah, Wis.	WIAJ	Providence, R. I.	WEAN
Newark, N. J.	WAAM	Providence, R. I.	WJAR
Newark, N. J.	WBS	Providence, R. I.	WRAH
Newark, N. J.	WOR	Providence, R. I.	WSAD
Newark, Ohio.	WBBA	Providence, R. I.	WTAG
Newark, N. J.	WRAZ	Pullman, Wash.	KFAE
New Bedford, Mass.	WDAU	Raleigh, N. C.	WLAC
New Haven, Conn.	WPAJ	Rapid City, S. Dak.	WCAT
New Lebanon, Ohio.	WPG	Reading, Pa.	WBBD
New Orleans, La.	WAAB	Reading, Pa.	WRRAW
New Orleans, La.	WAAC	Reedley, Calif.	KMC
New Orleans, La.	WCAG	Reno, Nev.	KDZK
New Orleans, La.	WGV	Richmond, Calif.	KFCM
New Orleans, La.	WIAF	Richmond, Va.	WQAT
New Orleans, La.	WWL	Ridgewood, N. Y.	WHN
Newton, Iowa.	WIAH	Rochester, N. Y.	WABO
New York, N. Y.	WBAY	Rochester, N. Y.	WHAM
New York, N. Y.	WEAF	Rockford, Ill.	WIAB
New York, N. Y.	WJX	Rockport, Mo.	WMAD
New York, N. Y.	WJY	Roswell, N. Mex.	KNJ
New York, N. Y.	WLAW	Sacramento, Calif.	KFBK
New York, N. Y.	WQAO	Saginaw, Mich.	WABM
New York, N. Y.	WSAP	St. Cloud, Minn.	WIAW
New York, N. Y.	WWZ	St. Croix Falls, Wis.	WFAM
Norfolk, Nebr.	WJAG	St. Joseph, Mo.	WRAL
Norman, Okla.	WNAD	St. Joseph, Mo.	KFHD
Northfield, Minn.	WCAL	St. Louis, Mo.	WEAK
North Plainfield, N. J.	WEAM	St. Louis, Mo.	KFEZ
Oak, Nebr.	KFEQ	St. Louis, Mo.	KFGJ
Oakland, Calif.	KLS	St. Louis, Mo.	KFIB
Oakland, Calif.	KLX	St. Louis, Mo.	KSD
Ocean City, N. J.	KZM	St. Louis, Mo.	WCK
Ogden, Utah.	WIAD	St. Louis, Mo.	WEB
Oklahoma City, Okla.	KFCP	St. Louis, Mo.	WEW
Oklahoma City, Okla.	WMAB	St. Louis, Mo.	WMAX
Okmulgee, Okla.	WKY	St. Louis, Mo.	WRAO
Omaha, Nebr.	WPAC	St. Paul, Minn.	WAAH
Omaha, Nebr.	KFCZ	St. Petersburg, Fla.	WSAG
Omaha, Nebr.	KFFX	Salem, Oreg.	KFCF
Omaha, Nebr.	WAAW	Salt Lake City, Utah.	KDYL
Omaha, Nebr.	WIAK	Salt Lake City, Utah.	KZN
Omaha, Nebr.	WNAL	San Antonio, Calif.	KFCI
Omaha, Nebr.	WOAW	San Antonio, Tex.	WCAR
Orange, Tex.	KFGX	San Antonio, Tex.	WOAI
Oskaloosa, Iowa.	WIAR	San Diego, Calif.	KDPT
Paducah, Ky.	WQAA	San Diego, Calif.	KFBC
Parkesburg, Pa.	WOAJ	San Diego, Calif.	KFFA
Parsons, Kans.	WBAN	San Diego, Calif.	WABH
Paterson, N. J.	KFFE	Sandusky, Ohio.	WQAF
Pendleton, Oreg.	WGAN	San Francisco, Calif.	KFDB
Pensacola, Fla.	WLAV	San Francisco, Calif.	KPO
Pensacola, Fla.	WJAN	San Jose, Calif.	KUO
Peoria, Ill.	WQAX	San Jose, Calif.	KFAQ
Philadelphia, Pa.	WCAU	San Jose, Calif.	KQW
Philadelphia, Pa.	WDAR	San Juan, P. R.	KSC
Philadelphia, Pa.	WFI	San Luis Obispo, Calif.	WKAQ
Philadelphia, Pa.	WGL	Santa Ana, Calif.	KFBE
Philadelphia, Pa.	WIP	Santa Barbara, Calif.	KFAW
			KFHJ

## BROADCASTING STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station.	Call signal.
Savannah, Ga.	WHAO	Troy, N. Y.	WHAZ
Savannah, Ga.	WRAB	Tucson, Ariz.	KFDH
Schenectady, N. Y.	WGΥ	Tulsa, Okla.	WLAL
Schenectady, N. Y.	WRL	Tuscola, Ill.	WDZ
Scranton, Pa.	WQAN	Tyler, Tex.	WOAP
Scranton, Pa.	WRAY	University Place, Nebr.	WC AJ
Seattle, Wash.	KDZE	Urbana, Ill.	WRM
Seattle, Wash.	KDZT	Utica, Nebr.	KFGV
Seattle, Wash.	KFHR	Utica, N. Y.	WSL
Seattle, Wash.	KHQ	Venice, Calif.	KFAV
Seattle, Wash.	KJR	Vermilion, S. Dak.	WEAJ
Seattle, Wash.	KTW	Villanova, Pa.	WCAM
Shreveport, La.	KFDX	Waco, Tex.	WJAD
Shreveport, La.	KFH F	Waco, Tex.	WL AJ
Shreveport, La.	WG A Q	Waco, Tex.	WWAC
Sigourney, Iowa.	WOAD	Wahpeton, N. Dak.	WMAW
Sioux City, Iowa.	WEAU	Walla Walla, Wash.	KFCF
Sioux Falls, S. Dak.	WFAT	Warren, Ohio.	WL AZ
South Bend, Ind.	WAR J	Washington, D. C.	WABE
South Bend, Ind.	WG AZ	Washington, D. C.	WC AP
Sparks, Nev.	KFF R	Washington, D. C.	WDM
Spokane, Wash.	KFDC	Washington, D. C.	WEAS
Spokane, Wash.	KFIO	Washington, D. C.	WHAQ
Spokane, Wash.	KF Z	Washington, D. C.	WIA Y
Springfield, Mass.	WBZ	Washington, D. C.	WIL
Springfield, Mo.	WIA I	Washington, D. C.	WJH
Springfield, Mo.	WK AS	Washington, D. C.	WM U
Springfield, Mo.	WQ AB	Washington, D. C.	WQ AW
Springfield, Ohio.	WN AP	Washington, D. C.	WRC
Springfield, Vt.	WQ AE	Washington Court House, Ohio.	WG AX
Stamford, Tex.	WO AZ	Waterbury, Conn.	WQ AD
Stanford University, Calif.	KFG H	Waterford, N. Y.	WF AG
Stapleton, N. Y.	WDT	Waterloo, Iowa.	WH AC
State College, N. Mex.	KOB	Waterloo, Iowa.	WR AN
State College, Pa.	WP AB	Waupaca, Wis.	WP AH
Sterling, Ill.	WB BC	Webster Groves, Mo.	WO AL
Steubenville, Ohio.	WT AK	Wenatchee, Wash.	KD ZI
Stockdale, Ohio.	WJ AK	Wenatchee, Wash.	KZ V
Stockton, Calif.	KWG	West Lafayette, Ind.	WB AA
Stockton, Calif.	WABL	Wichita, Kans.	KF HI
Storrs, Conn.	WD AI	Wichita, Kans.	WA AP
Syracuse, N. Y.	WF AB	Wichita, Kans.	WE AH
Syracuse, N. Y.	WLA H	Wichita, Falls, Tex.	WKA F
Syracuse, N. Y.	WN AN	Wilkes-Barre, Pa.	WB AX
Syracuse, N. Y.	KFB G	Wilmington, Del.	WH AV
Tacoma, Wash.	KFE J	Wilmington, Del.	WO AT
Tacoma, Wash.	KGB	Wilmington, Del.	WP AW
Tacoma, Wash.	KMO	Winchester, Ky.	WP AP
Tampa, Fla.	WDA E	Winter Park, Fla.	WR AP
Tarkio, Mo.	WI AT	Wooster, Ohio.	WG AU
Tarrytown, N. Y.	WR W	Worcester, Mass.	WAB K
Tecumseh, Nebr.	WT AU	Worcester, Mass.	WC N
Topeka, Kans.	WJA Q	Worcester, Mass.	WD AS
Topeka, Kans.	WP AM	Yakima, Wash.	KFI Q
Trenton, N. J.	WM AL	Yankton, S. Dak.	WN AX
Trenton, N. J.	WO AX	Yellow Springs, Ohio.	WRA V
Trinidad, Colo.	KF BS	York, Nebr.	KF DR
Trinidad, Colo.	KF HY	Youngstown, Ohio.	WDB F
		Zion, Ill.	WC BD

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS, LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS.**

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilocycles).
KDKA	Westinghouse Electric & Mfg. Co.	East Pittsburgh.....	1,000	326	920
KDPM	Westinghouse Electric & Mfg. Co.	Cleveland, Ohio.....	250	270	1110
KDPT	Southern Electrical Co.	San Diego, Calif.....	50	360	833
KDYL	Telegram Publishing Co.	Salt Lake City, Utah.....	50	360	833
KDYM	Savoy Theatre.	San Diego, Calif.....	50	252	1190
KDYQ	Portland, Oreg.	Oregon Institute of Technology	5	360	833
KDYS	The Tribune.....	Great Falls, Mont.....	50	360	833
KDYW	Smith Hughes & Co.	Phoenix, Ariz.....	20	360	833
KDYX	Star Bulletin.	Honolulu, Hawaii.....	100	360	833
KDZB	Frank E. Siebert	Bakersfield, Calif., 1402 20th St.	100	360	833
KDZE	The Rhodes Co.	Seattle, Wash.....	100	360	833
KDZF	Automobile Club of Southern California.	Los Angeles, Calif.....	500	278	1080
KDZI	Electric Supply Co.	Wenatchee, Wash.....	50	360	833
KDZK	Nevada Machinery & Electric Co.	Reno, Nev.....	25	360	833
KDZQ	Nichols Academy of Music.	Denver, Colo.....	10	360	833
KDZR	Bellingham Publishing Co.	Bellingham, Wash.....	50	261	1150
KDZT	Seattle Radio Assn.	Seattle, Wash.....	5	360	833
KFAD	McArthur Bros. Mercantile Co.	Phoenix, Ariz.....	100	360	833
KFAE	State College of Washington.	Pullman, Wash.....	500	360	833
KFAF	Western Radio Corp.	Denver, Colo.....	500	360	833
KFAJ	University of Colorado.	Boulder, Colo.....	100	360	833
KFAN	The Electric Shop.	Moscow, Idaho.....	50	360	833
KFAP	Standard Publishing Co.	Butte, Mont.....	100	360	833
KFAQ	City of San Jose.	San Jose, Calif.....	250	360	833
KFAR	Studio Lighting Service Co. (O. K. Olsen).	Hollywood, Calif.....	200	280	1070
KFAT	Dr. S. T. Donohue.	Eugene, Oreg., 681 Willamette St.	50	275	1090
KFAU	Independent School District of Boise City, Boise High School.	Boise, Idaho.....	150	270	1110
KFAV	Abbot Kinney Co.	Venice, Calif.....	5	258	1160
KFAW	The Radio Den (W. B. Ashford & H. T. White).	Santa Ana, Calif.....	10	360	833
KFAY	Virgin's Radio Service.	Medford, Oreg.....	100	360	833
KFBF	F. A. Buttrey & Co.	Havre, Mont.....	50	360	833
KFBC	W. K. Azbill.	San Diego, Calif.....	20	360	833
KFBE	Reuben H. Horn.	San Luis Obispo, Calif.....	10	360	833
KFBG	First Presbyterian Church.	Tacoma, Wash.....	50	360	833
KFBK	Kimball-Upson Co.	Sacramento, Calif.....	150	360	833
KFBL	Leese Bros.	Everett, Wash.....	10	224	1340
KFBS	Trinidad Gas & Electric Supply Co. and the Chronicle News.	Trinidad, Colo.....	10	360	833
KFBU	The Cathedral (Bishop N. S. Thomas).	Laramie, Wyo.....	50	360	833
KFCM	Salem Electric Co.	Salem, Oreg.....	10	360	833
KFCF	Frank A. Moore.	Walla Walla, Wash., 707 Baker Bldg.	50	360	833
KFCH	Electric Service Station (Inc.).	Billings, Mont.....	10	360	833
KFCK	Colorado Springs Radio Co.	Colorado Springs, Colo.....	10	360	833
KFCI	Los Angeles Union Stock Yards.	San Antonio, Calif.....	500	360	833
KFCM	Richmond Radio Shop (Frank T. Doeing).	Richmond, Calif.....	100	360	833
KFCP	Ralph W. Flygare.	Ogden, Utah, 2421 Jefferson Avenue.	25	360	833
KFCV	Fred Mahaffey, jr.	Houston, Tex.....	50	360	833
KFCY	Western Union College.	Le Mars, Iowa.....	100	360	833
KFCZ	Omaha Central High School.	Omaha, Nebr.....	150	360	833
KFDA	Adler's Music Store.	Baker, Oreg.....	5	360	833
KFDB	Mercantile Trust Co. of Calif.	San Francisco, Calif.....	750	509	670
KFDC	Radio Supply Co. (E. B. Crane).	Spokane, Wash.....	10	283	1060
KFDD	St. Michaels Cathedral.	Boise, Idaho.....	10	252	1190
KFD-F	Casper Community Radio Corp.	Casper, Wyo.....	100	360	833
KFDH	University of Arizona.	Tucson, Ariz.....	150	360	833
KFDJ	Oregon Agricultural College.	Corvallis, Oreg.....	50	360	833
KFDL	Knight-Campbell Music Co.	Denver, Colo.....	5	360	833
KFDO	H. Everett Cutting.	Bozeman, Mont., 420 West Koch Street.	50	248	1210

## STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS, LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilo-cycles).
KFDP	Hawkeye Radio & Supply Co. ....	Des Moines, Iowa .....	250	278	1080
KFDR	Bullock's Hardware & Sporting Goods (Robert G. Bullock). ....	York, Nebr. ....	10	360	833
KFDU	Nebraska Radio Electric Co. ....	Lincoln, Nebr. ....	20	240	1250
KFDV	Gilbrech & Stinson. ....	Fayetteville, Ark. ....	200	360	833
KFDX	First Baptist Church. ....	Shreveport, La. ....	100	360	833
KFDY	South Dakota State College of Agriculture and Mechanic Arts. ....	Brookings, S. Dak. ....	100	360	833
KFDZ	Harry O. Iverson. ....	Minneapolis, Minn., 2510 Thomas Avenue, South. ....	5	360	833
KFEC	Meier & Frank Co. ....	Portland, Ore. ....	50	360	833
KFEJ	Guy Greason. ....	Tacoma, Wash., 1724 South Jay Street. ....	10	360	833
KFEL	Winner Radio Corp. ....	Denver, Colo. ....	50	360	833
KFEP	Radio Equipment Co. (Joseph L. Ture). ....	Denver, Colo. ....	10	240	1250
KFEQ	J. L. Scroggin. ....	Oak, Nebr. ....	150	360	833
KFER	Auto Electric Service Co. ....	Fort Dodge, Iowa. ....	20	231	1300
KFEV	Radio Electric Shop. ....	Douglas, Wyo. ....	100	263	1140
KFEX	Augsburg Seminary. ....	Minneapolis, Minn. ....	100	261	1150
KFEY	Bunker Hill & Sullivan Mining & Concentrating Co. ....	Kellogg, Idaho. ....	10	360	833
KFEZ	American Society of Mechanical Engineers (F. H. Schubert). ....	St. Louis, Mo. ....	500	360	833
KFFA	Dr. R. O. Shelton. ....	San Diego, Calif., 3443 Fifth Street. ....	50	242	1240
KFFB	Jenkins Furniture Co. ....	Boise, Idaho. ....	10	240	1250
KFFC	Eastern Oregon Radio Co. ....	Pendleton, Oreg. ....	10	360	833
KFFO	Dr. E. H. Smith. ....	Hillsboro, Oreg. ....	5	229	1310
KFFP	First Baptist Church. ....	Moberly, Mo. ....	100	275	1090
KFFQ	Markshefle Motor Co. ....	Colorado Springs, Colo. ....	100	360	833
KFFR	Nevada State Journal (Jim Kirk). ....	Sparks, Nev. ....	10	360	833
KFFV	Graceland College. ....	Lamoni, Iowa. ....	100	360	833
KFFX	McGraw Co. ....	Omaha, Nebr. ....	250	278	1080
KFFY	Pincus & Murphy. ....	Alexandria, La. ....	100	275	1090
KFFZ	Al. G. Barnes Amusement Co. ....	Dallas, Tex. (portable). ....	20	226	1330
KFGC	Louisiana State University. ....	Baton Rouge, La. ....	100	254	1180
KFGD	Chickasha Radio & Electric Co. ....	Chickasha, Okla. ....	20	243	1210
KFGH	Leland Stanford University. ....	Stanford University, Calif. ....	500	360	833
KFGJ	Missouri National Guard, 138th Infantry.	St. Louis, Mo. ....	100	266	1130
KFGL	Arlington Garage. ....	Arlington, Oreg. ....	5	234	1280
KFGP	Cheney Radio Co. ....	Cheney, Kans. ....	10	229	1310
KFGQ	Crary Hardware Co. ....	Boone, Iowa. ....	20	226	1330
KFGV	Heidbreder Radio Supply Co. ....	Utica, Nebr. ....	10	224	1340
KFGX	First Presbyterian Church. ....	Orange, Tex. ....	500	250	1200
KFGY	Gjelhaug's Radio Shop. ....	Baudette, Minn. ....	20	224	1340
KFGZ	Emmanuel Missionary College. ....	Berrien Springs, Mich. ....	10	268	1120
KFHA	Colorado State Normal School. ....	Gunnison, Colo. ....	50	360	833
KFHB	Rialto Theater (P. L. Beardwell). ....	Hood River, Oreg. ....	10	280	1070
KFHD	Utz Electric Shop Co. ....	St. Joseph, Mo. ....	10	226	1330
KFHF	Central Christian Church. ....	Shreveport, La. ....	150	266	1130
KFHH	Ambrose A. McCue. ....	Neah Bay, Wash. ....	50	283	1060
KFHI	Charles V. Dixon. ....	Wichita, Kans., 411 Fannie Ave. ....	20	224	1340
KFHJ	Fallon & Co. ....	Santa Barbara, Calif. ....	100	360	833
KFHJ	Penn College. ....	Oskaloosa, Iowa. ....	10	227	1320
KFHP	Radio-Bug Products Co. ....	Kearney, Nebr. ....	10	246	1220
KFHQ	Curtis Brothers Hardware Store (Alfred E. Fowler). ....	Los Gatos, Calif. ....	5	242	1240
KFHR	Star Electric & Radio Co. ....	Seattle, Wash. ....	100	270	1110
KFHS	Clifford J. Dow. ....	Lihue, Hawaii. ....	30	275	1090
KFHU	M. G. Sateren. ....	Mayville, N. Dak. ....	50	261	1150
KFHX	Robert W. Nelson. ....	Hutchinson, Kans., 407 East First Street. ....	50	229	1310
KFHY	R. S. McEwan. ....	Trinidad, Colo. ....	50	242	1240
KFI	Earle C. Anthony (Inc.). ....	Los Angeles, Calif. ....	500	469	640
KFIB	Franklin W. Jenkins. ....	St. Louis, Mo., 5666 Vernon Avenue. ....	10	244	1230
KFIC	Philip Laskowitz. ....	Denver, Colo., 611 Marion Street. ....	15	224	1340
KFID	Ross Arbuckle's Garage. ....	Iola, Kans. ....	20	246	1220
KFIF	Benson Polytechnic Institute. ....	Portland, Oreg. ....	100	360	833
KFIJ	Sidney I. Thoreau. ....	Platte, S. Dak. ....	5	236	1270
KFIK	Gladbrook Electrical Co. ....	Gladbrook, Iowa. ....	20	234	1280
KFIL	Windisch Electric Farm Equipment Co. ....	Louisburg, Kans. ....	100	224	1280
KFIO	North Central High School. ....	Spokane, Wash. ....	50	252	1190

STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS,  
LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilocycles).
KFIQ	Yakima Valley Radio Broadcasting Association.	Yakima, Wash.	50	224	1340
KFIU	Alaska Electric Light & Power Co.	Juneau, Alaska	10	226	1330
KFIV	V. H. Broyles.	Pittsburg, Kans., 706 East Tenth Street.	20	240	1250
KFIX	Reorganized Church of Jesus Christ of Latter Day Saints.	Independence, Mo.	500	240	1250
KFJA	Central Power Co.	Grand Island, Nebr.	100	244	1230
KFJB	Marshall Electrical Co.	Marshalltown, Iowa	10	248	1210
KFJD	Weld County Printing & Publishing Co.	Greeley, Colo.	100	236	1270
KFKA	Colorado State Teachers College	do.	50	248	1210
KFKH	Denver Park & Amusement Co.	Lakeside, Colo.	10	226	1330
KFLE	National Educational Service.	Denver, Colo.	10	268	1120
KFZ	Doerr-Mitchell Electric Co.	Spokane, Wash.	10	283	1060
KGB	Wm. A. Mullins Electric Co.	Tacoma, Wash.	10	360	833
KGG	Hallock & Watson Radio Service.	Portland, Oreg.	50	360	833
✓ KGN	Northwestern Radio Mfg. Co.	do.	100	360	833
KGO	Altadena Radio Laboratory.	Altadena, Calif.	50	360	833
KGU	Marion A. Mulroney.	Honolulu, Hawaii, Waikiki Beach.	250	360	833
KGW	Portland Morning Oregonian.	Portland, Oreg.	500	492	610
KGY	St. Martins College (Rev. Sebastian Ruth).	Lacy, Wash.	5	258	1160
✓ KHZ	Times-Mirror Co.	Los Angeles, Calif.	500	395	760
KHQ	Louis Wasmer.	Seattle, Wash., 419 13th Avenue.	100	360	833
KJQ	C. O. Gould.	Stockton, Calif., 615 E. Main Street.	5	360	833
✓ KJR	Northwest Radio Service Co.	Seattle, Wash.	50	270	1110
KJS	Bible Institute of Los Angeles.	Los Angeles, Calif.	750	360	833
KLN	Monterey Electric Shop.	Monterey, Calif.	10	261	1150
KLS	Warner Brothers.	Oakland, Calif., 2201 Teleg. Avenue.	250	360	833
KLX	Tribune Publishing Co.	Oakland, Calif.	250	360	833
KLZ	Reynolds Radio Co.	Denver, Colo.	200	360	833
KMC	W. W. Lindsay, jr.	Reedley, Calif., 1516 F Street.	100	360	833
KMJ	San Joaquin Light & Power Corp.	Fresno, Calif.	250	360	833
KMO	Love Electric Co.	Tacoma, Wash.	10	360	833
KNJ	Roswell Public Service Co.	Roswell, N. Mex.	500	360	833
KNT	Grays Harbor Radio Co. (Walter Hemrich).	Aberdeen, Wash.	250	263	1140
✓ KNV	Radio Supply Co.	Los Angeles, Calif.	100	360	833
✓ KNX	Electric Lighting Supply Co.	do.	100	360	833
KOB	New Mexico College of Agriculture & Mechanic Arts.	State College, N. Mex.	500	360	833
KOP	Detroit Police Department.	Detroit, Mich.	500	286	1050
KPO	Hale Bros.	San Francisco, Calif.	500	423	710
KQI	University of California.	Berkeley, Calif.	500	360	833
KQP	Apple City Radio Club.	Hood River, Oreg.	10	360	833
KQV	Doubleday-Hill Electric Co.	Pittsburgh, Pa.	500	360	833
KQW	Charles D. Herrold.	San Jose, Calif., 467 First Street.	50	360	833
KRE	Berkeley Daily Gazette.	Berkeley, Calif.	50	278	1080
✓ KSD	Post Dispatch (Pulitzer Pub. Co.).	St. Louis, Mo.	500	546	550
KSS	Frest & Dean Radio Co. and Radio Research Society of Long Beach, Calif.	Long Beach, Calif.	20	360	833
KTW	First Presbyterian Church.	Seattle, Wash.	250	360	833
KUO	Examiner Printing Co.	San Francisco, Calif.	150	360	833
✓ KUS	City Dye Works & Laundry Co.	Los Angeles, Calif.	100	360	833
✓ KUY	Coast Radio Co.	El Monte, Calif.	50	360	833
✓ KWG	Portable Wireless Telephone Co.	Stockton, Calif.	100	360	833
✓ KWH	Los Angeles Examiner.	Los Angeles, Calif.	500	360	833
KXD	Modesto Herald Publishing Co.	Modesto, Calif.	5	360	833
KYQ	Electric Shop.	Honolulu, Hawaii.	40	360	833
KYW	Westinghouse Electric & Mfg. Co.	Chicago, Ill.	500	345	870
KZM	Preston D. Allen.	Oakland, Calif., Thirteenth and Harrison Streets.	50	360	833
KZN	The Deseret News.	Salt Lake City, Utah.	500	360	833
KZV	Wenatchee Battery & Motor Co.	Wenatchee, Wash.	50	360	833
WAAB	Valdemar Jensen.	New Orleans, La., 137 South St. Patrick Street.	100	268	1120
WAAC	Tulane University.	New Orleans, La.	400	360	833
WAAD	Ohio Mechanics Institute.	Cincinnati, Ohio.	25	360	833
WAAF	Chicago Daily Drovers Journal.	Chicago, Ill.	200	360	833
WAAH	Commonwealth Electric Co.	St. Paul, Minn.	100	360	833

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS,  
LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.**

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilocycles).
WAAK	Gimbel Brothers.....	Milwaukee, Wis.....	100	280	1070
WAAM	I. R. Nelson Co.....	Newark, N. J.....	250	263	1140
WAAN	University of Missouri.....	Columbia, Mo.....	50	254	1180
WAAP	United Electric Co.....	Wichita, Kans.....	150	360	833
WAAW	Omaha Grain Exchange.....	Omaha, Nebr.....	200	360	833
WAAZ	Hollister-Miller Motor Co.....	Emporia, Kans.....	100	360	833
WABA	Lake Forest College.....	Lake Forest, Ill.....	100	266	1130
WABB	Dr. John B. Lawrence.....	Harrisburg, Pa.....	10	266	1130
WABC	Fulwider-Grimes Battery Co.....	Anderson, Ind.....	10	229	1310
WABD	Parker High School.....	Dayton, Ohio.....	10	283	1060
WABE	Young Mens Christian Association.....	Washington, D. C.....	50	283	1060
WABF	Mount Vernon Register-News Co.....	Mount Vernon, Ill.....	250	234	1280
WABG	Arnold Edwards Piano Co.....	Jacksonville, Fla.....	10	248	1210
WABH	Lake Shore Tire Co.....	Sandusky, Ohio.....	100	240	1250
WABI	Bangor Railway & Electric Co.....	Bangor, Me.....	50	240	1250
WABJ	The Radio Laboratories.....	South Bend, Ind.....	10	240	1250
WABK	First Baptist Church.....	Worcester, Mass.....	10	252	1190
WABL	Connecticut Agricultural College.....	Storrs, Conn.....	100	283	1060
WABM	F. E. Doherty Automotive and Radio Supply Co.....	Saginaw, Mich.....	100	254	1180
WABN	Waldo C. Grover.....	La Crosse, Wis.....	100	234	1280
WABO	Lake Avenue Baptist Church.....	Rochester, N. Y.....	20	252	1190
WBAA	Purdue University.....	West Lafayette, Ind.....	250	360	833
WBAD	Sterling Electric Co.....	Minneapolis, Minn.....	100	360	833
WBAF	Fred M. Middleton.....	Moorestown, N. J., 337 Chester Avenue.....	100	360	833
WBAH	The Dayton Co.....	Minneapolis, Minn.....	500	360	833
WBAN	Wireless Phone Corp.....	Paterson, N. J.....	100	244	1230
WBAO	James Millikin University.....	Decatur, Ill.....	50	360	833
WBAP	Wortham-Carter Publishing Co. (Star Telegram).....	Fort Worth, Tex.....	500	476	630
WBAU	Republican Publishing Co.....	Hamilton, Ohio.....	50	258	1160
WBAV	Erner & Hopkins Co.....	Columbus, Ohio.....	500	390	770
WBAW	Marietta College.....	Marietta, Ohio.....	100	246	1220
WBAX	John H. Stenger, Jr.....	Wilkes-Barre, Pa., 66 Gilder- sleeve Street.....	20	360	833
WBAY	Western Electric Co.....	New York, N. Y.....	500	492	610
WBBA	Newark Radio Laboratories.....	Newark, Ohio.....	20	240	1250
WBBC	Sterling Radio Equipment Co.....	Sterling, Ill.....	50	229	1310
WBBB	Barbey Battery Service.....	Reading, Pa.....	50	234	1280
WBL	T & H Radio Co.....	Anthony, Kans.....	100	261	1150
WBS	D. W. May, Inc.....	Newark, N. J.....	20	360	833
WBT	Southern Radio Corp.....	Charlotte, N. C.....	500	360	833
WBU	City of Chicago.....	Chicago, Ill.....	500	286	1050
WBZ	Westinghouse Elec. & Mfg. Co.....	Springfield, Mass.....	750	337	890
WCAD	St. Lawrence University.....	Canton, N. Y.....	50	280	1070
WCAE	Kaufmann & Baer Co.....	Pittsburgh, Pa.....	500	462	650
WCAG	Clyde R. Randall.....	New Orleans, La., 2813 Cal- houn Street.....	50	268	1120
WCAH	Entrekkin Electric Co.....	Columbus, Ohio.....	250	286	1050
WCAJ	Nebraska Wesleyan University.....	University Place, Nebr.....	500	360	833
WCAK	Alfred P. Daniel.....	Houston, Tex., 2504 Bagby Street.....	50	360	833
WCAL	St. Olaf College.....	Northfield, Minn.....	250	360	833
WCAM	Villanova College.....	Villanova, Pa.....	150	360	833
WCAO	Sanders & Stayman Co.....	Baltimore, Md.....	50	360	833
WCAP	Chesapeake & Potomac Telephone Co.....	Washington, D. C.....	500	489	640
WCAR	Alamo Radio Electric Co.....	San Antonio, Tex.....	100	360	833
WCAS	William Hood Dunwoody Indus- trial Institute.....	Minneapolis, Minn.....	100	360	833
WCAT	South Dakota State School of Mines	Rapid City, S. Dak.....	100	240	1250
WCAU	Durham & Co.....	Philadelphia, Pa.....	100	286	1050
WCAV	J. C. Dice Electric Co.....	Little Rock, Ark.....	20	360	833
WCAX	University of Vermont.....	Burlington, Vt.....	50	360	833
WCAY	Kesselman O'Driscoll Co.....	Milwaukee, Wis.....	500	261	1150
WCAZ	Robert E. Compton & Carthage College.....	Carthage, Ill.....	100	360	833
WCBA	Charles W. Heimbach.....	Allentown, Pa., 1015 Allen Street.....	5	280	1070
WCBB	K. & K. Radio Supply Co. (Charles H. Katzenberger).....	Greenville, Ohio.....	100	240	1250
WCBD	Wilbur G. Voliva.....	Zion, Ill.....	500	345	870
WCE	Findley Electric Co.....	Minneapolis, Minn.....	250	360	833
WCK	Stix, Baer & Fuller Dry Goods Co	St. Louis, Mo.....	100	360	833
WCM	University of Texas.....	Austin, Tex.....	500	360	833

STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS,  
LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilocycles).
WCN	Clark University.....	Worcester, Mass.....	600	360	833
WCX	Detroit Free Press.....	Detroit, Mich.....	500	517	580
WDAD	Central Kansas Radio Supply Co. (Wm. L. Harrison).	Lindsborg, Kans.....	10	360	833
WDAE	Tampa Daily Times.....	Tampa, Fla.....	250	360	833
WDAF	Kansas City Star.....	Kansas City, Mo.....	500	411	730
WDAG	J. Laurence Martin.....	Amarillo, Tex.....	100	360	833
WDAH	Trinity Methodist Church (South).	El Paso, Tex.....	200	360	833
WDAI	Hughes Radio Corp.....	Syracuse, N. Y.....	100	246	1220
WDAJ	Atlanta & West Point R. R. Co.....	College Park, Ga.....	500	360	833
WDAK	The Courant.....	Hartford, Conn.....	100	261	1150
WDAL	Florida Times-Union.....	Jacksonville, Fla.....	100	360	833
WDAO	Automotive Electric Co.....	Dallas, Tex.....	50	360	833
WDAP	Board of Trade.....	Chicago, Ill.....	500	360	833
WDAR	Lit Brothers.....	Philadelphia, Pa.....	500	395	760
WDAS	Samuel A. Waite.....	Worcester, Mass., 692a Main Street.	5	360	833
WDAU	Slocum Kilburn.....	New Bedford, Mass.....	100	360	833
WDAX	First National Bank.....	Centerville, Iowa.....	100	360	833
WDAY	Fargo Radio Service Co.....	Fargo, N. Dak.....	50	244	1230
WDBC	Kirk, Johnson & Co.....	Lancaster, Pa.....	50	258	1160
WDBF	Robert G. Phillips.....	Youngstown, Ohio, 254 W. Federal Street.	50	261	1150
WDM	Church of the Covenant.....	Washington, D. C.....	50	360	833
WDT	Ship Owners Radio Service.....	Stapleton, N. Y.....	500	405	740
WDZ	James L. Bush.....	Tuscola, Ill., Star Store Bldg.....	350	278	1080
WEAA	Fallain & Lathrop.....	Flint, Mich.....	150	280	1070
WEAB	Standard Radio Equipment Co.....	Fort Dodge, Iowa.....	100	360	833
WEAD	Henry Radio & Electrical Supply Co.	Atwood, Kans.....	100	268	1120
WEAF	American Telephone & Telegraph Co.	New York, N. Y.....	500	492	610
WEAG	Nichols-Hineline-Bassett Laboratory.	Edgewood, R. I.....	10	231	1300
WEAH	Wichita Board of Trade and Land- der Radio Co.	Wichita, Kans.....	100	360	833
WEAI	Cornell University.....	Ithaca N. Y.....	500	286	1050
WEAJ	University of South Dakota.....	Vermillion, S. Dak.....	200	360	833
WEAK	Julius B. Abercrombie.....	St. Joseph, Mo.....	15	360	833
WEAM	Borough of North Plainfield (W. Gibson Buttfield).	North Plainfield, N. J.....	100	250	1190
WEAN	Shepard Co.....	Providence, R. I.....	15	273	1100
WEAO	Ohio State University.....	Columbus, Ohio.....	500	360	833
WEAP	Mobile Radio Co.....	Mobile, Ala.....	100	360	833
WEAR	Baltimore American & News Publishing Co.	Baltimore, Md.....	50	360	833
WEAS	Hecht Co.....	Washington, D. C.....	100	360	833
WEAU	Davidson Bros. Co.....	Sioux City, Iowa.....	100	360	833
WEAY	Iris Theatre (Will Horowitz, Jr.).	Houston, Tex.....	1000	360	833
WEB	Benwood Co.....	St. Louis, Mo.....	500	360	833
WEV	Hurlburt-Still Electrical Co.....	Houston, Tex.....	250	360	833
WEW	St. Louis University.....	St. Louis, Mo.....	100	261	1150
WFAA	Dallas News & Dallas Journal.....	Dallas, Tex.....	500	476	630
WFAB	Carl F. Woese.....	Syracuse, N. Y., 802 McBride St.	200	234	1280
WFAF	H. C. Spratley Radio Co.....	Poughkeepsie, N. Y.....	20	360	833
WFAG	Radio Engineering Laboratory.....	Waterford, N. Y.....	500	360	833
WFAH	Electric Supply Co.....	Port Arthur, Tex.....	150	360	833
WFAJ	Hi-Grade Wireless Instrument Co.	Asheville, N. C.....	100	360	833
WFAM	Times Publishing Co.....	St. Cloud, Minn.....	20	360	833
WFAN	Hutchinson Electric Service Co.....	Hutchinson, Minn.....	100	360	833
WFAQ	Missouri Wesleyan College and Cameron Radio Co.	Cameron, Mo.....	10	360	833
WFAT	Daily Argus-Leader.....	Sioux Falls, S. Dak.....	100	360	833
WFAV	University of Nebraska, Department of Electrical Engineering.	Lincoln, Nebr.....	100	360	833
WFI	Strawbridge & Clothier.....	Philadelphia, Pa.....	500	395	760
WGAL	Lancaster Electric Supply & Construction Co.	Lancaster, Pa.....	10	248	1210
WGAN	Cecil E. Lloyd.....	Pensacola, Fla., 216 W. Romanina St.	50	360	833
WGAQ	Glenwood Radio Corp. (W. G. Patterson).	Shreveport, La.....	150	360	833
WGAR	Southwest American.....	Fort Smith, Ark.....	20	360	833
WGAU	Radio Manufacturing & Service Co. (Marcus G. Limb).	Wooster, Ohio.....	20	226	1330
WGAW	Ernest C. Albright.....	Altoona, Pa., 1918 W. Chestnut St.	100	261	1150
WGAX	Radio Electric Co. (H. E. Wilson).	Washington Court House, Ohio.	20	360	833

**STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS,  
LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.**

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilocycles).
WGAY	Northwestern Radio Co.	Madison, Wis.	100	360	833
WGAZ	South Bend Tribune	South Bend, Ind.	100	360	833
WGF	The Register & Tribune	Des Moines, Iowa	250	360	833
WGI	American Radio & Research Corp.	Medford Hillside, Mass.	500	360	833
WGL	Thomas F. J. Howlett	Philadelphia, Pa., 2303 North Broad St.	250	360	833
WGM	Atlanta Constitution	Atlanta, Ga.	500	429	700
WGR	Federal Telephone & Telegraph Co.	Buffalo, N. Y.	250	360	833
WGV	Interstate Electric Co.	New Orleans, La.	100	360	833
WGY	General Electric Co.	Schenectady, N. Y.	1000	380	790
WHA	University of Wisconsin	Madison, Wis.	800	360	833
WHAH	State University of Iowa	Iowa City, Iowa	100	283	1060
WHAB	Clark W. Thompson	Galveston, Tex.	200	360	833
WHAC	Cole Bros. Electric Co.	Waterloo, Iowa	20	360	833
WHAD	Marquette University	Milwaukee, Wis.	100	280	1070
WHAG	University of Cincinnati	Cincinnati, Ohio	100	222	1350
WHAH	Hafer Supply Co.	Joplin, Mo.	550	360	833
WHAI	Radio Equipment & Mfg. Co.	Davenport, Iowa	50	360	833
WHAK	Roberts Hardware Co.	Clarksburg, W. Va.	15	360	833
WHAL	Lansing Capital News	Lansing, Mich.	20	248	1210
WHAM	University of Rochester (Eastman School of Music)	Rochester, N. Y.	100	360	833
WHAO	Frederic A. Hill	Savannah, Ga., 1223 E. Duffy St.	100	360	833
WHAP	Otta & Kuhns	Decatur, Ill.	10	360	833
WHAQ	Semmes Motor Co.	Washington, D. C.	10	360	833
WVAR	Paramount Radio & Electric Co. (W. H. A. Paulus)	Atlantic City, N. J.	15	231	1300
WHAS	Courier-Journal & Louisville Times	Louisville, Ky.	500	400	750
WHAV	Wilmington Electrical Specialty Co.	Wilmington, Del.	50	360	833
WHAY	Huntington Press	Huntington, Ind.	10	360	833
WHAZ	Rensselaer Polytechnic Institute	Troy, N. Y.	500	380	790
WHB	Sweeney School Co.	Kansas City, Mo.	500	411	730
WHD	West Virginia University	Morgantown, W. Va.	250	360	833
WHK	Radiovox Co. (Warren R. Cox)	Cleveland, Ohio	100	360	833
WHN	George Schubel	Ridgewood, N. Y.	100	360	833
WIAB	Joslyn Automobile Co.	Rockford, Ill.	50	252	190
WIAC	Galveston Tribune	Galveston, Tex.	100	360	833
WIAD	Ocean City Yacht Club (Howard R. Miller)	Ocean City, N. J.	10	254	1180
WIAF	Gustav A. DeCortin	New Orleans, La., 139 North Alexander Street	10	234	1280
WIAH	Continental Radio & Mfg. Co.	Newton, Iowa	5	360	833
WIAI	Heer Stores Co.	Springfield, Mo.	20	360	833
WIAJ	Fox River Valley Radio Supply Co. (Quinn Bros.)	Neenah, Wis.	20	224	1340
WIAK	Journal-Stockman Co.	Omaha, Nebr.	200	278	1080
WIAO	School of Engineering of Milwaukee & Wisconsin News	Milwaukee, Wis.	100	360	833
WIAQ	Chronicle Publishing Co.	Marion, Ind.	10	360	833
WIAR	Paducah Evening Sun	Paducah, Ky.	100	360	833
WIAS	Home Electric Co.	Burlington, Iowa	100	360	833
WIAT	Leon T. Noel	Tarkio, Mo.	15	360	833
WIAU	American Trust & Savings Bank	Le Mars, Iowa	20	360	833
WIAV	New York Radio Laboratories	Binghamton, N. Y.	50	360	833
WIAW	Saginaw Radio & Electric Co.	Saginaw, Mich.	100	360	833
WIAY	Woodward & Lothrop	Washington, D. C.	100	360	833
WIK	K. & L. Electric Co. (Herbert F. Kelso and Hunter J. Lohman)	McKeesport, Pa.	250	360	833
WIL	Continental Electrical Supply Co.	Washington, D. C.	10	360	833
WIP	Gimbel Brothers	Philadelphia, Pa.	500	509	590
WIZ	Cino Radio Mfg. Co.	Cincinnati, Ohio	200	360	833
WJAB	American Electric Co.	Lincoln, Nebr.	500	360	833
WJAD	Jackson's Radio Engineering Laboratories	Waco, Tex.	150	360	833
WJAF	Press Publishing Co.	Muncie, Ind.	10	360	833
WJAG	Norfolk Daily News (Huse Pub. Co.)	Norfolk, Nebr.	100	360	833
WJAJ	Y. M. C. A.	Dayton, Ohio	50	360	833
WJAK	White Radio Laboratory	Stockdale, Ohio	50	360	833
WJAM	D. M. Perham	Cedar Rapids, Iowa, 302 Third Avenue, West	20	360	833
WJAN	Peoria Star	Peoria, Ill.	100	280	1070
WJAP	Kelley-Duluth Co.	Duluth, Minn.	50	360	833
WJAQ	Capper Publications	Topeka, Kans.	50	360	833

57078°—23—6

STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS,  
LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilo-cycles).
WJAR	The Outlet Co. (J. Samuels & Bro.)	Providence, R. I.	50	360	833
WIAT	Pittsburgh Radio Supply House	Pittsburgh, Pa.	500	360	833
WJAT	Kelly-Vawter Jewelry Co.	Marshall, Mo.	20	360	833
WJAX	Union Trust Co.	Cleveland, Ohio	500	390	770
WJAZ	Chicago Radio Laboratory	Chicago, Ill.	20	448	670
WJD	Richard H. Howe	Granville, Ohio	50	229	1310
WJH	White & Boyer Co.	Washington, D. C.	50	263	1140
WJX	Deforest Radio Telephone & Telegraph Co.	New York, N. Y.	500	360	833
WJY	R. C. A.	do	500	405	740
WJZ	do	do	500	455	660
WKA	H. F. Paar	Cedar Rapids, Iowa, 1444 Second Avenue, East	100	360	833
WKAD	Star Publishing Co.	Lincoln, Nebr.	100	275	1090
WKAF	Chas. Looff (Crescent Park)	East Providence, R. I.	10	360	833
WKAN	W. S. Radio Supply Co.	Wichita Falls, Tex.	100	360	833
WKAP	United Battery Service Co.	Montgomery, Ala.	20	226	1330
WKAQ	Dutee W. Flint	Cranston, R. I.	200	360	833
WKAR	Radio Corp. of Porto Rico	San Juan, P. R.	100	360	833
WKAS	Michigan Agriculture College	East Lansing, Mich.	100	280	1070
WKAV	L. E. Lines Music Co.	Springfield, Mo.	10	360	833
WKAW	Laconia Radio Club	Laconia, N. H.	50	360	833
WKAZ	Turner Cycle Co.	Beloit, Wis.	10	242	1240
WKAZ	Wm. A. MacFarlane	Bridgeport, Conn., 1789 Park Avenue	15	231	1300
WKAY	Brenau College	Gainesville, Ga.	20	360	833
WKC	Joseph M. Zamoiski Co.	Baltimore, Md.	20	360	833
WKY	WKY Radio Shop	Oklahoma, Okla.	100	360	833
WLAC	North Carolina State College	Raleigh, N. C.	750	360	833
WLAG	Cutting & Washington Radio Corp.	Minneapolis, Minn.	500	417	720
WLAH	Samuel Woodworth	Syracuse, N. Y., 425 Brownell Street	250	234	1280
WLAJ	Waco Electrical Supply Co.	Waco, Tex.	50	360	833
WLAK	Vermont Farm Machine Corp.	Bellows Falls, Vt.	500	360	833
WLAL	Tulsa Radio Co.	Tulsa, Okla.	100	360	833
WLAN	Putnam Hardware Co.	Houlton, Me.	100	360	833
WLAP	W. V. Jordon	Louisville, Ky., 306 W. Breckinridge Street	15	360	833
WLAQ	Arthur E. Schilling	Kalamazoo, Mich., 108 Elm Street	20	360	833
WLAT	Radio and Specialty Co.	Burlington, Iowa	10	360	833
WLAV	Electric Shop	Pensacola, Fla.	20	360	833
WLAW	Police Dept., City of New York	New York, N. Y.	500	360	833
WLAX	Putnam Electric Co. (Greencastle Community Broadcasting Station).	Greencastle, Ind.	5	231	1300
WLAY	Northern Commercial Co.	Fairbanks, Alaska	50	360	833
WLAZ	Hutton & Jones Electric Co.	Warren, Ohio	20	248	1210
WLB	University of Minnesota	Minneapolis, Minn.	100	360	833
WLW	Crosley Manufacturing Co.	Cincinnati, Ohio	500	309	970
WMAB	Radio Supply Co.	Oklahoma, Okla.	100	360	833
WMAC	J. Edw. Page (Olive B. Meredith)	Cazenovia, N. Y., Fernwood Street	100	261	1150
WMAD	Atchinson County Mail	Rock Port, Mo.	20	360	833
WMAF	Round Hills Radio Corp.	Dartmouth, Mass.	500	360	833
WMAH	General Supply Co.	Lincoln, Nebr.	15	254	1180
WMAJ	Drovers Telegram Co.	Kansas City, Mo.	250	275	1090
WMAK	Norton Laboratories	Lockport, N. Y.	500	360	833
WMAL	Trenton Hardware Co.	Trenton, N. J.	15	256	1170
WMAM	Beaumont Radio Equipment Co.	Beaumont, Tex.	100	360	833
WMAN	First Baptist Church	Columbus, Ohio	20	286	1050
WMAP	Utility Battery Service	Easton, Pa.	250	246	1220
WMAQ	Chicago Daily News	Chicago, Ill.	500	448	670
WMAT	Paramount Radio Corp.	Duluth, Minn.	250	266	1130
WMAV	Alabama Polytechnic Institute	Auburn, Ala.	250	250	1200
WMAW	Wahpeton Electric Co.	Wahpeton, N. Dak.	50	360	833
WMY	Kingshighway Presbyterian Church	St. Louis, Mo.	100	360	833
WMAZ	Mercer University	Macon, Ga.	50	268	1120
WMC	"Commercial Appeal" (Commercial Publishing Co.).	Memphis, Tenn.	500	500	600
WMH	Precision Equipment Co.	Cincinnati, Ohio	10	248	1210
WMU	Doubleday-Hill Electric Co.	Washington, D. C.	100	261	1150
WNAB	Park City Daily News	Bowling Green, Ky.	100	360	833
WNAC	Shepard Stores	Boston, Mass.	100	360	833
WNAD	University of Oklahoma	Norman, Okla.	100	360	833

## STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS, LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.

Call Signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilocycles.)
WNAL	R. J. Rockwell.....	Omaha, Nebr., 5019 Capitol Avenue.	50	360	833
WNAM	Ideal Apparatus Co.....	Evansville, Ind.....	500	360	833
WNAN	Syracuse Radio Telephone Co.....	Syracuse, N. Y.....	100	286	1050
WNAP	Wittenberg College.....	Springfield, Ohio.....	100	360	833
WNAQ	Charleston Radio Electric Co.....	Charleston, S. C.....	20	360	833
WNAR	C. C. Rhodes.....	Butler, Mo.....	10	360	833
WNAS	Texas Radio Corp. & Austin Statesman.	Austin, Tex.....	100	360	833
WNAT	Lemnig Brothers Co. (Fred'k Lemning). People's Telephone & Telegraph Co.	Philadelphia, Pa.....	250	360	833
WNAV	Peninsular Radio Club (Henry Kunzmann).	Knoxville, Tenn.....	500	360	833
WNAW	Dakota Radio Apparatus Co.....	Fort Monroe, Va.....	5	360	833
WNAX	S. O. R. S.....	Yankton, S. Dak.....	50	244	1230
WNAY	Shotton Radio Manufacturing Co.....	Baltimore, Md.....	10	360	833
WNJ	Dr. Walter Hardy.....	Albany, N. Y.....	55	360	833
WOAB	Valley Radio.....	Ardmore, Okla.....	20	360	833
WOAC	Maus Radio Co.....	Grand Forks, N. Dak.....	5	360	833
WOAD	Friday Battery & Electric Corp.....	Lima, Ohio.....	100	266	1130
WOAE	Midland College.....	Sigourney, Iowa.....	10	360	833
WOAF	Tyler Commercial College.....	Fremont, Nebr.....	20	360	833
WOAG	Apollo Theater (Belvidere Amusement Co.).	Tyler, Tex.....	100	360	833
WOAH	Palmetto Radio Corp.....	Belvidere, Ill.....	20	224	1340
WOAI	Southern Equipment Co.....	Charleston, S. C.....	100	360	833
WOAJ	Ervins Electrical Co.....	San Antonio, Tex.....	500	385	780
WOAK	Collins Hardware Co.....	Parsons, Kans.....	15	258	1160
WOAL	William E. Woods.....	Frankfort, Ky.....	20	240	1250
WOAN	Vaughn Conservatory of Music (James D. Vaughn).	Webster Groves, Mo., 4 Jefferson Road.	500	360	833
WOAO	Lyradiation Mfg. Co.....	Lawrenceburg, Tenn.....	150	360	833
WOAP	Kalamazoo College.....	Mishawaka, Ind.....	50	360	833
WOAQ	Portsmouth Kiwanis Club.....	Kalamazoo, Mich.....	50	360	833
WOAR	Henry P. Lundskow.....	Portsmouth, Va.....	15	360	833
WOAR	Henry P. Lundskow.....	Kenosha, Wis., 1066 Sheridan Road.	50	360	833
WOAS	Bailey's Radio Shop.....	Middletown, Conn.....	50	360	833
WOAT	Boyd M. Hamp.....	Wilmington, Del., 215 Market Street.	50	360	833
WOAV	Pennsylvania National Guard, 2d Battalion, 112th Infantry.	Erie, Pa.....	200	242	1240
WOAW	Woodmen of the World.....	Omaha, Nebr.....	500	526	570
WOAX	Franklyn J. Wolff.....	Trenton, N. J., 600 Ingham Avenue.	200	240	1250
WOAZ	Penick Hughes Co.....	Stamford, Tex.....	100	360	833
WOC	Palmer School of Chiropractic.....	Davenport, Iowa.....	500	484	620
WOE	Buckeye Radio Service Co.....	Akron, Ohio.....	40	360	833
WOI	Iowa State College.....	Ames, Iowa.....	100	360	833
WOK	Pine Bluff Co.....	Pine Bluff, Ark.....	500	360	833
WOO	John Wanamaker.....	Philadelphia, Pa., Thirteenth and Market Streets.	500	509	590
WOQ	Western Radio Co.....	Kansas City, Mo.....	500	360	833
WOR	L. Bamberger & Co.....	Newark, N. J.....	500	405	740
WOS	Missouri State Marketing Bureau.....	Jefferson City, Mo.....	500	360	833
WPAB	Pennsylvania State College.....	State College, Pa.....	500	360	833
WPAC	Donaldson Radio Co.....	Oklmulgee, Okla.....	200	360	833
WPAD	W. A. Wieboldt & Co.....	Chicago, Ill.....	500	360	833
WPAF	Peterson Radio Co.....	Council Bluffs, Iowa.....	10	360	833
WPAH	Wisconsin Department of Markets.....	Waupaca, Wis.....	250	360	833
WPAJ	Doolittle Radio Corp.....	New Haven, Conn.....	30	268	1120
WPAK	North Dakota Agricultural College.....	Agricultural College, N. Dak.....	250	360	833
WPAL	Superior Radio & Telep. Equipment Co.	Columbus, Ohio.....	100	286	1050
WPAM	Auerbach & Guettel.....	Topeka, Kans.....	100	360	833
WPAP	Theodore D. Phillips.....	Winchester, Ky., 222 Lexington Avenue.	35	360	833
WPAQ	General Sales & Engineering Co.....	Frostburg, Md.....	10	360	833
WPAR	Ward Battery & Radio Co.....	Beloit, Kans.....	10	360	833
WPAS	J. & M. Electric Co.....	Amsterdam, N. Y.....	20	360	833
WPAT	St. Patricks Cathedral.....	El Paso, Tex.....	20	360	833
WPAU	Concordia College.....	Moorhead, Minn.....	20	360	833
WPAW	Radio Installation Co.....	Wilmington, Del.....	10	360	833
WPAY	Bangor Radio Laboratory.....	Bangor, Me.....	20	360	833
WPAZ	John R. Koch (Dr.).	Charleston, W. Va.....	20	273	1100
WPG	Nushawg Poultry Farm.....	New Lebanon, Ohio.....	30	360	833
WPI	Electric Supply Co.....	Clearfield, Pa.....	20	360	833

STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS,  
LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilo-cycles).
WQAA	Horace A. Beale, jr.	Parkersburg, Pa.	500	360	833
WQAB	Southwest Missouri State Teachers College.	Springfield, Mo.	10	236	1270
WQAC	E. B. Gish.	Amarillo, Tex., 108 East Eighth Street.	100	360	833
WQAD	Whitall Electric Co.	Waterbury, Conn.	50	242	1240
WQAE	Moore Radio News Station (Edmund B. Moore.)	Springfield, Vt.	150	275	1090
WQAF	Sandusky Register.	Sandusky, Ohio.	5	240	1250
WQAH	Brock-Anderson Electrical Engineering Co.	Lexington, Ky.	10	254	1180
WQAJ	Ann Arbor Times News.	Ann Arbor, Mich.	300	360	833
WQAK	Appel-Higley Electric Co.	Dubuque, Iowa.	50	360	833
WQAL	Coles County Telep. and Teleg. Co.	Mattoon, Ill.	20	258	1160
WQAM	Electrical Equipment Co.	Miami, Fla.	100	360	833
WQAN	Scranton Times.	Scranton, Pa.	250	280	1070
WQAO	Calvary Baptist Church.	New York, N. Y.	100	360	833
WQAQ	Abilene Daily Reporter (West Texas Radio Co.).	Abilene, Tex.	100	360	833
WQAS	Prince-Walter Co.	Lowell, Mass.	10	266	1130
WQAT	Radio Equipment Corp.	Richmond, Va.	50	360	833
WQAV	Huntington Guerrry (Inc.).	Greenville, S. C.	15	258	1160
WQAW	Catholic University.	Washington, D. C.	5	236	1270
WQAX	Radio Equipment Co.	Peoria, Ill.	20	360	833
WQAY	Gaston Music and Furniture Co.	Hastings, Nebr.	20	360	833
WQAZ	Greensboro Daily News.	Greensboro, N. C.	30	360	833
WRAA	Rice Institute.	Houston, Tex.	200	360	833
WRAB	Board of Public Education.	Savannah, Ga.	100	360	833
WRAD	Taylor Radio Shop (G. L. Taylor).	Marion, Kans.	10	360	833
WRAF	The Radio Club (Inc.).	Laporte, Ind.	10	224	1340
WRAH	Stanley N. Read.	Providence, R. I.	10	360	833
WRAL	Northern States Power Co.	St. Croix Falls, Wis.	100	248	1210
WRAN	Black Hawk Electrical Co.	Waterloo, Iowa.	20	229	1310
WRAO	Radio Service Co.	St. Louis, Mo.	20	360	833
WRAP	Winter Park Electrical Construction Co.	Winter Park, Fla.	20	360	833
WRAR	Jacob Carl Thomas.	David City, Nebr.	20	226	1330
WRAS	Radio Supply Co.	McLeansboro, Ill.	10	360	833
WRAU	Amarillo Daily News.	Amarillo, Tex.	10	360	833
WRAV	Antioch College.	Yellow Springs, Ohio.	100	360	833
WRAW	Avenue Radio Shop (Horace D. Good).	Reading, Pa.	10	238	1260
WRAX	Flaxon's Garage.	Gloucester City, N. J.	50	268	1120
WRAY	Radio Sales Corp.	Scranton, Pa.	50	360	833
WRAZ	Radio Shop of Newark (Herman Lubinsky).	Newark, N. J.	50	233	1290
WRC	Radio Corporation of America.	Washington, D. C.			
WRK	Doron Bros. Electric Co.	Hamilton, Ohio.	50	360	833
WRL	Union College.	Schenectady, N. Y.	500	360	833
WRM	University of Illinois.	Urbana, Ill.	500	360	833
WRP	Federal Institute of Radio Telegraphy.	Camden, N. J.	500	360	833
WRR	City of Dallas (police and fire signal department).	Dallas, Tex.	20	360	833
WRW	Tarrytown Radio Research Laboratory.	Tarrytown, N. Y.	150	273	1100
WSAA	B. S. Sprague Electrical Co.	Marietta, Ohio.	25	360	833
WSAB	Southeast Missouri State Teachers College.	Cape Girardeau, Mo.	100	360	833
WSAC	Clemson Agricultural College.	Clemson College, S. C.	500	360	833
WSAD	J. A. Foster Co.	Providence, R. I.	50	261	1150
WSAG	City of St. Petersburg (Loren V. Davis).	St. Petersburg, Fla.	10	244	1230
WSAH	A. J. Leonard, Jr.	Chicago, Ill., 4801 Woodlawn Avenue.	500	248	1210
WSAI	United States Playing Cards Co.	Cincinnati, Ohio.	500	309	970
WSAJ	Grove City College.	Grove City, Pa.	100	360	833
ESAK	Foster Egner (Daily News, Pomeroy, Ohio).	Middleport, Ohio.	70	258	1180
WSAL	Franklin Electric Co.	Brookville, Ind.	20	246	1220
WSAN	Allentown Radio Club.	Allentown, Pa.	10	229	1310
WSAP	Seventh Day Adventist Church.	New York, N. Y.	250	360	833
WSAQ	Round Hills Radio Corporation.	Dartmouth, Mass.	100	280	1070
WSAR	Doughty & Welch Electrical Co.	Fall River, Mass.	10	254	1180
WSAT	Plainview Electric Co.	Plainview, Tex.	20	268	1120
WSB	Atlanta Journal.	Atlanta, Ga.	500	429	700
WSL	J. & M. Electric Co.	Utica, N. Y.	100	273	1100

STATIONS BROADCASTING MARKET OR WEATHER REPORTS, MUSIC, CONCERTS,  
LECTURES, ETC., ALPHABETICALLY BY CALL LETTERS—Continued.

Call signal.	Owner of station.	Location of station.	Power (watts).	Wave length.	Frequency (kilocycles).
WSY	Alabama Power Co.	Birmingham, Ala.	500	360	833
WTAB	Fall River Daily Herald Publishing Co.	Fall River, Mass.	10	248	1210
WTAC	Penn Traffic Co.	Johnstown, Pa.	150	360	833
WTAG	Kern Music Co.	Providence, R. I.	10	258	1160
WTAK	Swan-Bower Co.	Steubenville, Ohio	20	266	1130
WTAS	Charles E. Erbstein	Elgin, Ill., (near) R. F. D. 6, Box 75.	500	275	1090
WTAU	Ruegg Battery & Electric Co.	Tecumseh, Nebr.	10	360	833
WTAW	Agricultural & Mechanical College of Texas.	College Station, Tex.	50	254	1180
WTG	Kansas State Agricultural College.	Manhattan, Kans.	1,000	485	-----
WTP	George M. McBride.	Bay City, Mich., 611 Midland Street.	20	360	833
WWAC	Sanger Bros.	Waco, Tex.	50	360	833
WWAD	Wright & Wright (Inc.)	Philadelphia, Pa.	50	360	833
WWAX	Wormser Bros.	Laredo, Tex.	50	360	833
WWB	Daily News Printing Co.	Canton, Ohio.	100	268	1120
WWI	Ford Motor Co.	Dearborn, Mich.	50	273	1100
WWJ	Detroit News (Evening News Assn.).	Detroit, Mich.	500	517	580
WWL	Loyola University.	New Orleans, La.	100	360	833
WWZ	John Wanamaker.	New York, N. Y.	100	360	833

# GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This table includes all Government land radio stations of the United States. Wave lengths in italic (in this table only) are used for "listening in."]

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Afognak, Alaska.....	WWT	.....	O	X	Bureau of Fisheries.
Akutan, Alaska.....	KTK	.....	O	X	Bureau of Education, Department of the Interior.
Amagansett, N. Y.....	NBM	800.....	RC	N	U. S. Navy.
Ambrose Channel Light Vessel.....	NALS	300, 600, 378, 476, 756, 952	(*) O	(?) X	Bureau of Lighthouses.
Anacostia, D. C.....	NBM	800.....	RC	N	U. S. Navy.
Anacostia, D. C. (naval laboratory).....	NOF	Variab...e.....	O	X	Do.
Anacostia, D. C.....	NSF	507.....	/O	N	Do.
Anchorage, Alaska.....	WUP	.....	O	X	U. S. Army.
Annapolis, Md. (Naval Academy).....	NAK	1620.....	O	X	U. S. Navy.
Annapolis, Md. (laboratory).....	NZO	Variab...e.....	O	X	Do.
Atka Island, Alaska.....	WJI	900.....	O	(?)	Bureau of Education, Department of the Interior.
Balboa, C. Z.....	NBA	600, 975, 2250, 2400, 3950, 7000, 9800, 10510, 17145	PG	N	U. S. Navy.
Bar Harbor, Me. (Otter Cliffs).....	NBD	300, 600, 975, 2250, 2400	PG	N	Do.
Bar Harbor, Me.....	NBD	800.....	RC	N	Do.
Bellefonte, Pa.....	WWQ	3446, 3998.....	O	(?)	Post Office Department.
Bethany Beach, Del.....	NSD	800.....	RC	N	U. S. Navy.
Bethel, Alaska.....	WVI	430, 480, 510, 530, 600	PG	(?)	U. S. Army.
Bird Island, Calif.....	NLD	800.....	RC	N	U. S. Navy.
Blunte Reef Light Vessel.....	NACT	300, 600, 756, 952	(1) (?)	(2)	Bureau of Lighthouses.
Bolling Field, D. C. (Anacostia).....	WYB	1500.....	O	X	U. S. Army.
Boston, Mass.....	NAD	600, 975, 1363, 3950, 5000	O	N	U. S. Navy.
Boston, Mass.....	WVO	674.....	O	X	U. S. Army.
Brunswick Light Vessel.....	NABX	300, 600, 952	(1) (?)		Bureau of Lighthouses.
Bryan, Ohio.....	KDEL	3295, 3998.....	O	X	Post Office Department.
Camp Alfred Vail, N. J.....	WUBA	1090, 1500.....	O	X	U. S. Army.
Camp Grant, Ill.....	WUBB	900.....	O	X	Do.
Camp Jones, Ariz. (Douglas).....	WZM	1091.....	O	X	Do.
Camp Knox, Ky.....	WUBC	975.....	O	X	Do.
Camp Marfa, Tex.....	WUG	3800.....	O	X	Do.
Camp Nichols, P. I. (Rizal Province).....	WYT	250, 1500.....	O	X	Do.
Camp S. D. Little, Ariz. (Nogales).....	WZL	1091.....	O	X	Do.
Camp Stotsenburg, P. I.....	WUCA	600, 952.....	O	X	Do.
Cape Charles Light Vessel.....	NAJV	300, 378, 476, 600, 756, 952	(1) (?)		Bureau of Lighthouses.
Cape Elizabeth, Me. (Portland).....	NAB	800.....	RC	N	U. S. Navy.
Cape Hatteras, N. C.....	NDW	600, 975, 1620.....	PG	N	Do.
Cape Hatteras, N. C.....	NDW	800.....	RC	N	Do.
Cape Henlopen, Del.....	NSD	800.....	RC	N	Do.
Cape Hinchenbrook, Alaska.....	NRM	800.....	RC	N	Do.
Cape Lookout, N. C.....	NAN	800.....	RC	N	Do.
Cape Lookout Shoals Light Vessel.....	NABV	300, 378, 476, 600, 756, 952	(1) (?)		Bureau of Lighthouses.
Cape Mala, Panama.....	NNT	600, 1908.....	PG	N	U. S. Navy.
Cape May, N. J.....	NSD	800.....	RC	N	Do.
Cattle Point, Wash.....	NFN	800.....	RC	(?) N	Do.
Cavite, P. I.....	NPO	600, 975, 2400, 2700, 3950, 5200, 9145, 13900	PG	N	Do.
Chanute Field, Ill. (Rantoul).....	WYJ	674, 1500.....	O	(?)	U. S. Army.
Charleston, S. C.....	NAO	365, 600, 975, 2400, 2600, 3850, 4800	PG	N	U. S. Navy.
Cheyenne, Wyo.....	KDEG	3123, 3998.....	O	(?)	Post Office Department.
Chicago, Ill.....	WVT	1364.....	O	(?)	U. S. Army.
Circle, Alaska.....	WVA	1350, 1700, 2200	FX	(10)	Do.
Clark Field, P. I. (Camp Stotsenburg).....	WYS	250, 450.....	O	X	Do.

\*See footnotes to this table on p. 87.

GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Cleveland, Ohio.....	NRH	3795, 3998.....	PG	N	U. S. Navy.
Cleveland, Ohio.....	WWO	600, 975, 1620.....	O	X	Post Office Department.
Colon, C. Z.....	NAX	600, 975, 1620.....	PG	N	U. S. Navy.
Columbia River Light Vessel.....	NAJT	300, 600.....	( <sup>1</sup> )	( <sup>2</sup> )	Bureau of Lighthouses.
Cordova, Alaska.....	NPA	600, 975, 2400, 2700, 3950, 5950, 7100, 7500	PG	N	U. S. Navy.
Cornfield Point Light Vessel.....	NASC	300, 378, 476, 600, 756, 952	( <sup>1</sup> )	( <sup>2</sup> )	Bureau of Lighthouses.
Craig, Alaska.....	WXO	600.....	PG	( <sup>2</sup> )	U. S. Army.
Dahlgren, Va.....	NDY	347.....	O	X	U. S. Navy.
Deer Island, Mass.....	NAD	800.....	RC	N	Do.
Detour Point, Mich.....	NZU	800.....	RC	N	Do.
Diamond Shoals Light Vessel.....	NITQ	300, 600.....	( <sup>1</sup> )	( <sup>2</sup> )	Bureau of Lighthouses.
Dutch Harbor, Alaska.....	NPR	600, 975, 2250.....	PG	N	U. S. Navy.
Eagle Harbor, Mich.....	NUG	800.....	RC	N	Do.
Elko, Nev.....	KDEJ	3407, 3998.....	O	( <sup>4</sup> )	Post Office Department.
Empire, Oreg.....	NPF	800.....	RC	N	U. S. Navy.
Eureka, Calif.....	NPW	800.....	RC	N	Do.
Eureka, Calif.....	NPW	600, 975, 2250, 2400, 3960	PG	N	Do.
Fairbanks, Alaska.....	WVB	2000, 2600, 3200, 3700, 4100, 4700, 5000	FX	( <sup>11</sup> )	U. S. Army.
Fairfield, Ohio.....	WYD	1500.....	O	( <sup>7</sup> )	Do.
Farrallon Island, Calif.....	NPI	800.....	RC	N	U. S. Navy.
Fenwick Island Shoal Light Vessel.....	NAJS	300, 378, 476, 600, 756, 952	( <sup>1</sup> )	( <sup>2</sup> )	Bureau of Lighthouses.
Fire Island, N. Y.....	NAH	800.....	RC	N	U. S. Navy.
Fire Island Light Vessel.....	NLS	300, 378, 476, 600, 756, 952, 1200	( <sup>1</sup> )	( <sup>2</sup> )	Bureau of Lighthouses.
Five Fathom Bank Light Vessel.....	NADV	300, 600, 952.....	( <sup>1</sup> )	( <sup>2</sup> )	Do.
Folly Island, S. C.....	NZV	800.....	RC	N	U. S. Navy.
Fort Adams, R. I.....	WUU	1150.....	O	X	U. S. Army.
Fort Amador, C. Z.....	WUBE	400.....	O	X	Do.
Fort Andrews, Mass.....	WUA	1091.....	O	X	Do.
Fort Barrancas, Fla.....	WZD	1090.....	O	X	Do.
Fort Benjamin Harrison, Ind.....	WVS	1559.....	O	X	Do.
Fort Bliss, Tex.....	WZO	3100.....	O	X	Do.
Fort Bragg, N. C.....	WZG	1380.....	O	( <sup>7</sup> )	Do.
Fort Brown, Tex. (Brownsville).....	WUZ	3080.....	O	( <sup>12</sup> )	Do.
Fort Casey, Wash.....	WZJ	1090.....	O	X	Do.
Fort Caswell, N. C.....	WUT	825.....	O	X	Do.
Fort Clark, Tex. (Brackettsville).....	WZB	674.....	O	X	Do.
Fort Constitution, N. H.....	WZE	1300.....	O	X	Do.
Fort Crockett, Tex.....	WUX	1090.....	O	X	Do.
Fort Dade, Fla.....	WZK	825.....	O	X	Do.
Fort D. A. Russell, Wyo.....	WVV	1412.....	O	X	Do.
Fort De Lesseps, C. Z.....	WUCG	400.....	O	X	Do.
Fort Douglas, Utah.....	WVX	2725.....	O	X	Do.
Fort Drum, P. I. (El Fraile I.).....	WUAL	825.....	O	X	Do.
Fort Du Pont, Del.....	WZN	300, 825.....	O	X	Do.
Fort Egbert, Alaska.....	WVC	550, 575, 600, 630	FX	( <sup>13</sup> )	Do.
Fort Ethan Allen, Vt.....	WUAI	1090.....	O	X	Do.
Fort Frank, P. I. (Carabao I.).....	WVL	500.....	O	( <sup>14</sup> )	Do.
Fort Gibbon, Alaska.....	WVD	1100, 1275, 1875, 2200	FX	( <sup>15</sup> )	Do.
Fort Hancock, N. J.....	WUB	1091.....	O	X	Do.
Fort Hayes, Ohio (Columbus).....	WVZ	1412.....	O	X	Do.
Fort H. G. Wright, N. Y.....	WUC	1100.....	O	X	Do.
Fort Howard, Md.....	WVQ	1349.....	O	( <sup>9</sup> )	Do.
Fort Huachuca, Ariz.....	WZP	1318.....	O	X	Do.
Fort John Hay, P. I.....	WUCB	600, 975, 1200, 1800	O	X	Do.
Fort Leavenworth, Kans.....	WUD	952, 2855.....	O	X	Do.
Fort Levett, Maine.....	WUE	1300.....	O	X	Do.
Fort McArthur, Calif.....	WUCK	1304.....	O	X	Do.
Fort McIntosh, Tex. (Laredo).....	WUH	1364.....	O	X	Do.
Fort McKinley, Oreg. (Portland).....	WUCV	1318.....	O	X	Do.
Fort McPherson, Ga.....	WVR	1319, 2552.....	O	( <sup>1</sup> )	Do.
Fort Mills, P. I.....	WUAG	600, 1240.....	O	X	Do.
Fort Mills, P. I. (Corregidor I.).....	WVN	1240.....	O	X	Do.
Fort Monroe, Va.....	WUF	674.....	O	X	Do.
Fort Morgan, Ala.....	WUR	1090.....	O	X	Do.

GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Fort Moultrie, S. C.	WZF	1090	O	X	U. S. Army.
Fort Omaha, Nebr.	WVU	1334	O	X	Do.
Fort Randolph, C. Z.	WUCI	400,	O	X	Do.
Fort Riley, Kans.	WUI	1091	O	X	Do.
Fort Ringgold, Tex.	WZI	1091	O	X	Do.
Fort Rodman, Mass.	WUCN	600	O	X	Do.
Fort Rosecrans, Calif.	WUS	1090	O	X	Do.
Fort Sam Houston, Tex.	WUJ	5200	O	X	Do.
Fort San Jacinto, Tex.	WUY	825	O	X	Do.
Fort Serecra, Ga.	WZA	825	O	X	Do.
Fort Sherman, C. Z.	WUCH	400,	O	X	Do.
Fort Sill, Okla.	WUBD	1537	O	X	Do.
Fort Snelling, Minn.	WZS	.....	O	( <sup>1</sup> )	Do.
Fort Stevens, Oreg.	NZS	800	RC	N	U. S. Navy.
Fort Stevens, Oreg.	WUK	1091	O	N	U. S. Army.
Fort St. Michael, Alaska.	WVE	450, 525, 550, 600	PG	( <sup>15</sup> )	Do.
Fort Storey, Va.	WXZ	1100	O	X	Do.
Fort Terry, N. Y.	WUW	1100	O	X	Do.
Fort Totten, N. Y.	WUL	1091	O	X	Do.
Fort Travis, Tex.	WXP	825	O	X	Do.
Fort Washington, Md.	WXG	825, 1200	O	X	Do.
Fort Whittier, Wash.	WZC	1091	O	X	Do.
Fort Williams, Me.	WUCU	475, 525, 600, 825	O	X	Do.
Fort Winfield Scott, Calif.	WUO	1091	O	X	Do.
Fort Wint, P. I. (Grande Island)	WUAK	1200	O	X	Do.
Fort Worden, Wash.	WUN	1091	O	X	Do.
Fort Yukon, Alaska	WXX	600, 1000,	FX	( <sup>10</sup> )	Do.
Fourth Cliff, Mass.	NAD	800	RC	N	U. S. Navy.
France Field, C. Z. (Cristobal).	WYP	1500	O	( <sup>7</sup> )	U. S. Army.
Frying Pan Shoals Light Vessel	NLC	300, 600, 600, 975, 1813	( <sup>1</sup> )	( <sup>2</sup> )	Bureau of Lighthouses.
Galveston, Tex.	NKB	800	PG	N	U. S. Navy.
Gloucester, Mass.	NAD	800	RC	N	Do.
Governors Island, N. Y.	WVP	1334	O	( <sup>11</sup> )	U. S. Army.
Grand Marias, Mich.	NZT	800	RC	N	U. S. Navy.
Great Lakes, Ill.	NAJ	600, 1988, 3400, 3800, 3950, 4650	PG	N	Do.
Guam, Guam I.	NPN	600, 975, 2250, 2400, 3950, 5950, 9145, 11500, 18900	PG	N	Do.
Guantanamo, Cuba	NAW	150, 600, 975, 1870, 2400, 3950, 4525	PG	N	Do.
Heald Bank Light Vessel	NLP	300, 378, 476, 600, 750, 952	( <sup>1</sup> )	( <sup>2</sup> )	Bureau of Lighthouses.
Heeia Point, Hawaii (see Honolulu).	WWU	3407, 3998	O	X	Post Office Department.
Hempstead, N. Y. (Hazelhurst Field).	NPH	507	O	N	U. S. Navy.
Hilo, Hawaii	NCZ	800	RC	N	Do.
Hog Island, Va.	WVK	450, 510, 525, 550	FX	( <sup>6</sup> )	U. S. Army.
Holy Cross, Alaska	NPM	600, 975, 2250, 2400, 2650, 3950, 4800, 7900, 8875	O	N	U. S. Navy.
Honolulu, Hawaii (Heeia Point)	NPM	600, 975, 2250, 2400, 2650, 3950, 4800, 7900, 8875	O	N	U. S. Navy.
Honolulu, Hawaii (Pearl Harbor)	NPM	600, 975, 2250, 9145, 9800, 11500	PG	N	Do.
Hot Springs, Alaska	WXK	425, 440, 560, 620	O	X	U. S. Army.
Iditarod, Alaska	WXL	425, 510, 580, 600	FX	( <sup>16</sup> )	Do.
Imperial Beach, Calif.	NPL	800	RC	N	U. S. Navy.
Indian Head, Md.	NBG	365	O	N	Do.
Inglewood, Calif.	NPX	365, 600, 975, 1851, 2400, 2750, 3950, 4525	O	N	Do.
Iowa City, Iowa	KDTS	3369, 3998	O	X	Post Office Department.
Jefferson Barracks, Mo.	WVV	1395	O	X	U. S. Army.
Juneau, Alaska	NVD	600, 975, 2250	PG	N	U. S. Navy.
Jupiter, Fla.	NAQ	800	RC	N	Do.
Jupiter, Fla.	NAQ	600, 975, 1305	O	N	Do.
Kelly Field, Tex. (San Antonio)	WYG	1500	O	( <sup>7</sup> )	U. S. Army.
Ketchikan, Alaska	NVH	600, 975, 1870, 2400, 4525, 5000	PG	N	U. S. Navy.

**GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—  
Continued.**

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Key West, Fla.....	NAR	600, 975, 1451, 2250, 2400, 3950, 5700'	PG	N	U. S. Navy.
Key West, Fla.....	NAR	800.....	RC	N	Do.
Key West, Fla.....	WUBV	800.....	O	X	U. S. Army.
Kindley Field, P. I. (Corregidor).....	WYR	1500.....	O	(?)	Do.
Kodiak, Alaska.....	NPS	600, 975, 1688.....	PG	N	U. S. Navy.
Lakehurst, N. J.....	NEL	507.....	O	N	Do.
Lakehurst, N. J.....	NEL	800.....	RC	N	Do.
Langin Field, W. Va. (Moundsville).....	WYI	1500.....	O	(?)	U. S. Army.
Langley Field, Va. (Hampton).....	WYC	1500.....	O	(?)	Do.
La Palma, Panama.....	NNW	600, 1815.....	PG	N	U. S. Navy.
Livengood, Alaska.....	WUV	520.....	FX	(18)	U. S. Army.
Luke Field, Hawaii (Pearl Harbor).....	WYQ	1500.....	O	(?)	Do.
Managua, Nicaragua.....	NAZ	600, 975, 1832.....	O	N	U. S. Navy.
Manasquan, N. J.....	NAH	800.....	RC	N	Do.
Manila, P. I.....	WUAJ	600.....	O	X	U. S. Army.
Marshfield, Oreg.....	NPF	600, 975, 1948.....	O	N	U. S. Navy.
Maxwell, Ala.....	WYK	1500.....	O	(?)	U. S. Army.
Maywood, Ill.....	KDQA	3569, 3998.....	O	X	Post Office Department.
McGrath, Alaska.....	WXV	450, 500, 550, 600.....	FX	(17)	U. S. Army.
Mitchell Field, N. Y. (Mineola).....	WYA	1500.....	O	X	Do.
Morehead City, N. C.....	NAN	600, 975, 1654.....	PG	N	U. S. Navy.
Nantucket Shoals Light Vessel.....	NLA	600.....	(1)	(2)	Bureau of Lighthouses.
Naval Academy, Md. (see Annapolis).....	NKC	365, 600.....	PG	N	U. S. Navy.
Navassa Island, W. I.....	NFT	800.....	RC	(6)	Do.
New Dungeness, Wash.....	NAT	600, 975, 2400, 2500, 3950, 6300.....	O	N	Do.
Newport, R. I.....	NAF	150, 975, 2600.....	O	N	Do.
New York, N. Y.....	NAH	150, 600, 975, 1540, 2400.....	O	N	Do.
Nome, Alaska.....	WVG	510, 550, 575, 600, 3000, 3500, 4000, 5000.....	PG	N	U. S. Army.
Noorvik, Alaska.....	WVM	425, 475, 520, 550, 600.....	PG	(18)	Do.
Norfolk, Va.....	NAM	150, 600, 975, 1360, 2400, 3950, 5450.....	PG	N	U. S. Navy.
North East End Light Vessel.....	NARS	300, 600, 952.....	(1)	(2)	Bureau of Lighthouses.
North Head, Wash.....	NPE	600, 975, 2720, 4620, 5000.....	O	N	U. S. Navy.
North Island, S. C.....	NZW	800.....	RC	N	Do.
North Platte, Nebr.....	KDHM	3486, 3998.....	O	(19)	Post Office Department.
North Truro, Mass.....	NAE	800.....	RC	N	U. S. Navy.
Nulato, Alaska.....	WVH	655, 660, 730, 760.....	FX	(20)	U. S. Army.
Ocean Park, Wash.....	NZS	800.....	RC	N	U. S. Navy.
Otu, Samoa.....	NGX	300, 600.....	PG	N	Do.
Olongapo, P. I.....	NPT	600, 975, 1908.....	O	N	Do.
Omaha, Nebr.....	KDEF	3224, 3998.....	O	(19)	Post Office Department.
Parris Island, S. C.....	NAV	365, 600.....	PG	N	U. S. Navy.
Pearl Harbor, Hawaii (see Honolulu).....	NPP	975, 1908, 3950, 4525.....	O	N	Do.
Pekin, China.....	NAS	507, 600, 975, 1330.....	PG	N	Do.
Pensacola, Fla.....	NAS	800.....	RC	N	Do.
Pensacola, Fla.....	NAI	600, 975, 1300.....	O	N	Do.
Philadelphia, Pa.....	NPK	800.....	RC	N	Do.
Point Arguello, Calif.....	NPX	800.....	RC	N	Do.
Point Fermin, Calif.....	NMD	800.....	RC	N	Do.
Point Hueneme, Calif.....	NAY	600, 975, 1988, 2250, 2400, 3950, 5000.....	O	N	Do.
Point Isabel, Tex.....	NPL	800.....	RC	N	Do.
Point Loma, Calif.....	NLH	800.....	RC	N	Do.
Point Montara, Calif.....	NLG	800.....	RC	N	Do.
Point Reyes, Calif.....	NSC	600, 975, 2250, 2400, 3825, 3950.....	PG	N	Do.
Port Eads, La.....	NBX	800.....	RC	N	Do.
Port Eads, La.....	WZH	600, 1100.....	O	X	U. S. Army.
Portland, Me.....	NAB	600, 1620.....	O	N	U. S. Navy.
Portsmouth, N. H.....	NAC	600, 975, 1395.....	O	N	Do.

GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS--  
Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Poyners Hill, N. C.....	NCZ	800.....	RC	N	U. S. Navy.
Prices Neck, R. I.....	NAF	800.....	RC	N	Do.
Puerto Obaldia, Panama.....	NRK	600, 1988.....	PG	N	Do.
Puget Sound, Wash. (Bremerton).....	NPC	600, 975, 1988, 3950, 5450, 7100, 7500, 7900	PG	N	Do.
Quantico, Va.....	NFV	507, 600	O	N	Do.
Relief (light vessel).....	NACD	.....	(1)	(2)	Bureau of Lighthouses.
Relief (light vessel).....	NADB	.....	(1)	(2)	Do.
Relief (light vessel).....	NITR	300, 378, 476, 600, 756, 952	(1)	(2)	Do.
Relief (light vessel).....	NITS	300, 378, 476, 600, 756, 952	(1)	(2)	Do.
Relief (light vessel).....	NAJC	300, 600.....	(1)	(2)	Do.
Reno, Nev.....	KDEK	3784, 3998.....	O	(21)	Post Office Department.
Rock Springs, Wyo.....	KDHN	3156, 3998.....	O	(8)	Do.
Rockwell Field, Calif. (Coronado).....	WYH	1500.....	O	(7)	U. S. Army.
Ruby, Alaska.....	WVF	325, 450, 520, 600	O	X	Do.
St. Augustine, Fla.....	NAP	600, 975, 2100.....	PG	(22)	U. S. Navy.
St. Croix, V. I.....	NNI	450, 600.....	PG	N	Do.
St. George, Alaska.....	NPY	600, 675.....	PG	N	Do.
St. Michael, Alaska (see Fort St. Michael).....	NPQ	600, 975, 2650, 3950, 5700.....	PG	N	Do.
St. Paul, Alaska.....	NAJ	300, 600.....	(1)	(2)	Do.
St. Thomas, V. I.....	NBB	600, 975, 1688.....	PG	N	Do.
Salt Lake City, Utah.....	KDEH	3258, 3998.....	O	(8)	Post Office Department.
San Diego, Calif.....	NPL	600, 975, 1988, 2400, 3950, 5200, 9800	PG	N	U. S. Navy.
San Domingo City, D. R.....	NJG	600.....	PG	N	Do.
Sandy Hook, N. J.....	NAH	800.....	RC	N	Do.
San Francisco, Calif. (receiving only).....	KDQC	150, 600, 975, 1330, 2400, 2900, 3950, 4650, 4800, 10500	O	N	Post Office Department.
San Francisco, Calif. (receiving only).....	NPG	150, 600, 975, 1330, 2400, 2900, 3950, 4650, 4800, 10500	O	N	U. S. Navy.
San Francisco, Calif. Light Vessel.....	NAKS	600, 756.....	(1)	(2)	Bureau of Lighthouses.
San Francisco, Calif. (Presidio of San Francisco).....	WVY	1349.....	O	X	U. S. Army.
San Juan, P. R.....	NAU	600, 975, 2400, 2750, 3950, 5200, 8875, 9145, 10110	PG	N	U. S. Navy.
San Pedro, Calif.....	NPX	150.....	O	N	Do.
Savannah, Ga.....	NEV	600, 1813.....	PG	N	Do.
Scott Field, Ill. (Belleville).....	WYF	952.....	O	(7)	U. S. Army.
Seattle, Wash.....	NVL	600, 1988, 2400.....	PG	N	U. S. Navy.
Selfridge Field, Mich. (Mt. Clemens).....	WYE	1500.....	O	(7)	U. S. Army.
Seward, Alaska.....	NPV	600, 1908.....	PG	N	U. S. Navy.
Shanghai, China (American consulate), receiving only).....	NPJ	Variable.....	O	X	Do.
Sitka, Alaska.....	NPB	600, 975, 2400, 2650, 3950, 4800	PG	N	Do.
Smith Island, Wash.....	NFH	800.....	RC	(6)	Do.
Soapstone Point, Alaska.....	NUW	800.....	RC	N	Do.
South Pass, La.....	NBX	800.....	RC	N	Do.
Surfside, Mass.....	NBS	800.....	RC	N	Do.
Swiftsure Bank Light Vessel.....	NABT	300, 600.....	(1)	(2)	Bureau of Lighthouses.
Tatoosh, Wash.....	NPD	600, 975, 1654.....	PG	N	U. S. Navy.
Tatoosh, Wash.....	NPD	800.....	RC	N	Do.
Tau, Samos.....	NCM	300, 600.....	PG	N	Do.
Tientsin, China.....	WUQ	600, 1000.....	O	X	U. S. Army.
Tutuila, Samoa.....	NPU	600, 975, 2250, 2400, 3950, 4525	PG	N	U. S. Navy.
Tybee Island, Ga.....	NEV	800.....	RC	N	Do.
Umatilla Reef Light Vessel.....	NACV	300, 600.....	(1)	(2)	Bureau of Lighthouses.
Valdez, Alaska.....	WXJ	1000, 1100, 1200, 1500	O	X	U. S. Army.
Virginia Beach, Va.....	NAM	507.....	O	N	U. S. Navy.
Virginia Beach, Va.....	NCZ	800.....	RC	N	Do.
Washington, D. C. (Arlington, Va.).....	NAA	2650, 3950, 5950	PG	N	Do.
Washington, D. C. (navy yard).....	NAL	2650, 5950.....	O	N	Do.
Washington, D. C. (Sayville).....	NDD	10510.....	O	N	Do.

**GOVERNMENT LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—**  
Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Washington, D. C. (Bureau of Standards).	NSJ	.....	O	X	U. S. Navy.
Washington, D. C. (Annapolis, Md.).	NSS	17145.....	O	N	Do.
Washington, D. C. (Bureau of Standards).	WWV	.....	O	X	Department of Commerce.
Washington, D. C. ....	WWX	3656, 3998.....	O	(*)	Post Office Department.
Washington, D. C. ....	WXY	1338, 2998.....	O	N	U. S. Army.
West Memphis, Ark. ....	WYCJ	300, 600, 700.....	O	X	Do.
West Point, N. Y. ....	WUAH	1091.....	O	X	Do.
Whitefish Point, Mich. ....	NZT	800.....	RC	N	U. S. Navy.
Winter Quarter Shoals Light Vessel .....	NADT	300, 600, 952.....	( <sup>1</sup> )	( <sup>2</sup> )	Bureau of Lighthouses.

<sup>1</sup> The station is open to relaying public correspondence in emergencies.

<sup>2</sup> First 15 minutes every hour between 8 a. m. and 9.15 p. m.

<sup>\*</sup> 8 to 10 p. m. daily; 9 to 10 a. m. Sunday.

<sup>4</sup> 8 to 12 a. m., 1 to 5 p. m.

<sup>5</sup> 9 a. m. to 7 p. m.

<sup>6</sup> Midnight to 2 a. m., 4 to 6 a. m., 4 to 6 p. m., 8 to 10 p. m.

<sup>7</sup> 7 a. m. to 7 p. m.

<sup>8</sup> 3 a. m. to 7 p. m.

<sup>9</sup> 7.30 a. m. to 7.30 p. m.

<sup>10</sup> 7.30 a. m. to 5 p. m.

<sup>11</sup> 8 a. m. to 8 p. m.

<sup>12</sup> 7.30 a. m. to 6 p. m.

<sup>13</sup> 8 a. m. to 5 p. m.

<sup>14</sup> 8 a. m. to 7 p. m.

<sup>15</sup> 8.30 a. m. to 7.15 p. m.

<sup>16</sup> 9 a. m. to 8 p. m.

<sup>17</sup> 8 a. m. to 6 p. m.

<sup>18</sup> 8 a. m. to 7.30 p. m.

<sup>19</sup> 4 a. m. to 8 p. m.

<sup>20</sup> 8 a. m. to 9 p. m.

<sup>21</sup> 2 a. m. to 6 p. m.

<sup>22</sup> 8 a. m. to 11 p. m.

<sup>23</sup> 7 a. m. to 9 p. m.

# GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[All naval stations are open to general public service and maintain a continuous service. The normal wave length is 600 meters, but all vessels are equipped to transmit and receive on a wave length of 300 meters.]

Ship.	Call signal.	Ship	Call signal.	Ship.	Call signal.
Aaron Ward.....	NELX	B. M. Harrod.....	WYCI	Clemson.....	NEZT
Abarenda.....	NOB	Bobolink.....	NIJJ	Cleveland.....	NDM
Abbot.....	NEZS	Boggs.....	NAMT	Coghlan.....	NUPK
Abel P. Upshur.....	NUJD	Boreas.....	NALM	Cole.....	NEST
Acushnet (C. G. C.).....	NRU	Borie.....	NULL	Colhoun.....	NAJL
Ajax.....	NAKD	Boston.....	NGC	Colonel George Armitstead.....	WYAG
Albany.....	NBJ	Boxer (Bureau of Education).....	NIQM	Colonel George F. E. Harrison.....	WYBE
Alden.....	NULK	Branch.....	NEML	Colorado.....	NECR
Alexander Hamilton (C. G. C.).....	NIVS	Brant.....	NAFF	Columbine (L. H. T.).....	NLL
Algonquin (C. G. C.).....	NRA	Brazos.....	NIFK	Comanche (C. G. C.).....	NRW
Algorma.....	NEVP	Breck.....	NULZ	Comfort.....	NDO
Allegheny.....	NACZ	Breckinridge.....	NERZ	Commodore.....	NLE
Allen.....	NJD	Breese.....	NESM	Bridge.....	NIRV
Altair.....	NURJ	Bridge.....	NOI	Concord.....	NDQ
Amaranth (L. H. T.).....	NAPT	Bridgeport.....	NGR	Connecticut.....	NSN
Ammen.....	NBP	Brooks.....	NEZX	Conner.....	NEDF
Anemone (L. H. T.).....	NABP	Broome.....	NEPF	Constellation.....	NEBF
Annapolis.....	NBR	Bruce.....	NUPS	Constitution.....	NELR
Antares.....	NATB	Buchanan.....	NEQS	Coatocook.....	NAPM
Anthony.....	NEVS	Buffalo.....	NCU	Converse.....	NJE
Apache (C. G. C.).....	NACB	Bulmer.....	NUPN	Conyngham.....	NIKV
Apo.....	NUDP	Burns.....	NAFS	Cormorant.....	NUQZ
Aramus.....	NARP	Burrows.....	NCV	Corry.....	NETV
Arapho.....	NSP	Bush.....	NETT	Cowell.....	NIFB
Arbutus (L. H. T.).....	NAGM	Bushnell.....	NZC	Crane.....	NERJ
Arcata (C. G. C.).....	NADD	Cahokia (C. G. C.).....	NITV	Craven.....	NESZ
Arctic.....	NAFR	Caldwell.....	NSI	Crosly.....	NADF
Arethusa.....	NBU	California.....	NDF	Crowninshield.....	WYCA
Argonne.....	NISX	Cambrai.....	WXA	Cuba.....	NSZ
Arizona.....	NBW	Camden.....	NAPR	Cumberland.....	NIL
Arkansas.....	NBV	Canopus.....	NIRX	Cummings.....	NAGQ
Aroostook.....	NMK	Capella.....	NAZK	Curacao.....	NJIB
Asheville.....	NELV	Captain Charles W. Rowell.....	WYAI	Curlew.....	NIM
Aulic.....	NERG	Captain Clarence M. Condon.....	WBYY	Cushing.....	NOD
Avocet.....	NADP	Captain Edward P. Nones.....	WYBP	Cuyama.....	NIFV
Aylwin.....	NIH	Captain Fred L. Perry.....	WYBN	Cyan.....	NICP
Azalea (L. H. T.).....	NXU	Captain Gregory Barrett.....	WYAP	Cygan (C. G. C.).....	NLM
Babbitt.....	NEPX	Captain James Fornance.....	WYAM	Cypress (L. H. T.).....	NVZ
Bach (C. & G. S.).....	NLK	Cardinal.....	NAFN	Dahlgren.....	NUND
Badger.....	NEPT	Carrabasset.....	NEVQ	Dale.....	NENM
Bagaduc.....	NAZP	Case.....	NUNX	Dallas.....	NJF
Bagley.....	NVU	Cassin.....	NIK	Davis.....	NUQV
Bailey.....	NCF	Cayuga.....	NAFP	Decatur.....	NEK
Bainbridge.....	NUQL	Cedar (L. H. T.).....	NLW	Delaware.....	WXR
Balch.....	NIT	Celtic.....	NDB	Dellwood.....	NEZQ
Ballard.....	NIGN	Champlain.....	NEKQ	Delphy.....	NIRZ
Baltimore.....	NCH	Chandler.....	NAGL	Denebola.....	NEGF
Bancroft.....	NAJQ	Charles Ausburne.....	NUPR	Dent.....	NEM
Barker.....	NUJK	Charleston.....	NFE	Denver.....	NEN
Barney.....	NNV	Charlotte.....	NMN	Des Moines.....	NIN
Barry.....	NUQP	Chase.....	NUMK	Despatch.....	NIDF
Bath.....	NHY	Chattanooga.....	NGIM	Detroit.....	NISP
Bayspring.....	NISZ	Chaumont.....	NISV	Dickerson.....	NAFC
Beale.....	NCL	Chautney.....	NIFF	Discoverer.....	NIJT
Bear (C. G. C.).....	NRB	Chemung.....	NARG	Dobbin.....	NUNR
Beaufort.....	NGP	Chester.....	NDG	Dorsey.....	NELG
Beaver.....	NEQQ	Chew.....	NEMZ	Downes.....	NIN
Belknap.....	NEZZ	Chewink.....	NIJV	Doyen.....	NUJS
Bell.....	NATG	Chien.....	NDH	Drayton.....	NET
Benham.....	NIJ	Cheyenne.....	NULN	Dreadnaught.....	NCX
Bernadou.....	NESS	Childs.....	NISN	Dubuque.....	NEU
Biddle.....	NVW	Cincinnati.....	NEQZ	Duncan.....	NIR
Billingsley.....	NUPQ	Claxton.....	NEQZ	Dupont.....	NWC
Birmingham.....	NCN			Dyer.....	NACN
Bittern.....	NIJR			Eagle 1.....	NEJB
Black Hawk.....	NAJD			Eagle 2.....	NEJC
Blakely.....	NVX			Eagle 3.....	NEJD

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Eagle 4.....	NEJF	Gamble.....	NEZR	Hopewell.....	NEXX
Eagle 5.....	NEJG	Gannet.....	NJIX	Hopkins.....	NUQM
Eagle 6.....	NEJH	General Absalom		Housatonic.....	NFX
Eagle 7.....	NEJK	Baird.....	WYBA	Hovey.....	NEPB
Eagle 8.....	NEJL	General Alava.....	NAMG	Howard.....	NIFM
Eagle 9.....	NEJM	General A. M. Randall.	WYAJ	Hulbert.....	NUKD
Eagle 10....	NEJN	General E. O. C. Ord.	WYAF	Hull.....	NUQT
Eagle 11....	NEJP	General G. W. Getty..	WYAS	Humphreys.....	NUKX
Eagle 12....	NEJQ	General J. Franklin		Hunt.....	NUJF
Eagle 13....	NEJR	Bell.....	WYBB	Huntington.....	NWLG
Eagle 14....	NEJS	General J. M. Brannan	WZV	Huron.....	NSX
Eagle 15....	NEJT	General John M.	WXW	Hyacinth (L. H. T.)	NAGV
Eagle 18....	NEJZ	Schofield.....	WZX	Idaho.....	NHN
Eagle 19....	NEKB	General Mifflin.....		Illinois.....	NHO
Eagle 23....	NEKG	General Nathaniel	WZR	Illinois (U. S. Army)	WYAX
Eagle 24....	NEKJ	Greene.....	WYAW	Indiana.....	NIRS
Eagle 26....	NEXF	General R. H. Jackson.		Ingraham.....	NENX
Eagle 27....	NEXG	General Richard	WYAY	Inspector.....	WYCB
Eagle 28....	NEXM	Arnold.....		Intrepid.....	NFY
Eagle 29....	NEXN	General R. N.	WZQ	Iota.....	WYCF
Eagle 32....	NEZZ	Batchelder.....		Iowa.....	NIRP
Eagle 33....	NIBB	General Robert	WZV	Iroquois.....	NHV
Eagle 34....	NIBD	Anderson.....	WYAH	Isabel.....	NHF
Eagle 35....	NIBG	General Royal T.	WYAA	Isherwood.....	NUNV
Eagle 36....	NIBK	Frank.....	WYAB	Israel.....	NENG
Eagle 37....	NIBM	General S. M. Mills		Iuka.....	NEVR
Eagle 38....	NIBN	General Timothy	WZQ	Ivy (L. H. T.)	NAKV
Eagle 39....	NIBC	Pickering.....		Jacob Jones.....	NEPZ
Eagle 40....	NIBF	General William M.	WYBD	James K. Paulding	NUJM
Eagle 41....	NIBJ	Graham.....	NUJG	Jarvis.....	NIB
Eagle 42....	NIBL	George E. Badger	NGF	Jason.....	NNB
Eagle 43....	NIBP	Georgia.....	NERR	J. D. Long.....	NEPD
Eagle 44....	NIBQ	Gillis.....	NERB	Jenkins.....	NID
Eagle 45....	NIBR	Gilmer.....	NUQF	J. Fred Talbot.....	NIGR
Eagle 46....	NIBS	Goff.....	NGJ	John D. Edwards	NUPC
Eagle 47....	NIBT	Goldsborough.....	NASJ	John Francis Burnes	NIGQ
Eagle 48....	NIBV	Gold Star.....	WXH	Joseph Henry.....	WXT
Eagle 49....	NIBX	Grant.....		Jouett.....	NIE
Eagle 50....	NIBZ	Grebe.....	NIKX	Jupiter.....	WYCC
Eagle 51....	NICB	Greene.....	NIJM	K-1.....	NYF
Eagle 52....	NICC	Greer.....	NERT	K-2.....	NYG
Eagle 53....	NICD	Gregory.....	NAJR	K-3.....	NYH
Eagle 54....	NICF	Gresham (C. G. C.)	NRG	K-4.....	NYI
Eagle 55....	NICG	Gridley.....	NEMX	K-5.....	NYJ
Eagle 56....	NICJ	Gulde (C. & G. S.)	NIJN	K-6.....	NYK
Eagle 57....	NICK	Gwin.....	NAGX	K-7.....	NYL
Eagle 58....	NICL	H-2.....	NYD	K-8.....	NYM
Eagle 59....	NICM	H-3.....	NYE	Kalk.....	NIGD
Eagle 60....	NICN	H-4.....	NEQM	Kalmia.....	NAZS
Edsall.....	NUPM	H-5.....	NETG	Kanawha.....	NND
Edwards.....	NIGL	H-6.....	NEFC	Kane.....	NUML
Eider.....	NIKR	H-7.....	NESJ	Kankakee (C. G. C.)	NUMZ
Eider (Bureau of Fisheries).....	NURK	H-8.....	NELN	Kansas.....	NIO
El Cano.....	NFD	H-9.....	NEBV	Kappa.....	WYCG
Elliott.....	NERV	Haida (C. G. C.)	NITF	Kaweah.....	NUGK
Ellis.....	NIFD	Hale.....	NACL	Kearsarge.....	NIP
Ericsson.....	NIS	Hamilton.....	NIFL	Kennedy.....	NAZM
Evans.....	NEMS	Hancock.....	NHI	Kennison.....	NEQX
Explorer (C. & G. S.).....	NAVM	Hannibal.....	NGU	Kentucky.....	NIQ
Fairfax.....	NTN	Haraden.....	NEZX	Keosanqua.....	NEXC
Falcon.....	NEKN	Harbor Tug No. 61	NUMX	Kewaydin.....	NAXN
Fanning.....	NFM	Harbor Tug No. 67	NULG	Kickapoo (C. G. C.)	NITX
Farenholz.....	NECK	Harding.....	NEMV	Kidder.....	NUJX
Farquhar.....	NANZ	Hart.....	NENV	Kilkenny.....	KKI
Farragut.....	NVS	Hartford.....	NGV	Kilty.....	NAKX
Fathomer (C. & G. S.).....	NESR	Hazfield.....	NEZV	Kimberly.....	NADL
Fern (L. H. T.).....	NAFV	Hazelwood.....	NENS	King.....	NULP
Finch.....	NAJP	Heather (L. H. T.)	NAKL	Kingfisher.....	NALP
Florida.....	NFR	Helena.....	NGY	Kittery.....	NHW
Flusser.....	NUNF	Henderson.....	NOH	Koka.....	NETZ
Foote.....	NWF	Henley.....	NHA	Kukui (L. H. T.)	NLF
Ford.....	NUQJ	Henry Flad.....	WYCH	L-2.....	NYO
Fortune.....	NEGS	Henshaw.....	NUQJ	L-3.....	NYP
Fox.....	NWJ	Herbert.....	NEMJ	L-5.....	NYR
Frederick.....	NJS	Hercules.....	NEKR	L-6.....	NYS
Fuller.....	NIFG	Herndon.....	NENJ	L-7.....	NYT
Fulton.....	NZD	Heron.....	NENL	L-8.....	NYU
Galveston.....	NGD	Hibiscus (L. H. T.)	NAKN	L-9.....	NYV
Gama.....	WYCE	Hogan.....	NEXT	L-11.....	NYX
		Holland.....	NIRM	Lamberton.....	NAZL

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Lamson.....	NUNC	Melvin.....	NURC	Onondaga (C. G. C.)	NRO
Langley.....	NNC	Memphis.....	NISS	Ontario.....	NTA
Lansdale.....	NERL	Mercy.....	NKK	Orchid (L. H. T.)	NLT
Lepwing.....	NALC	Meredith.....	NETS	Oregon.....	NMZ
Laramie.....	NUGL	Merritt.....	WXI	Oriole.....	NEVM
Lardner.....	NUPF	Mervine.....	NUMJ	Orion.....	NO
Lark.....	NIJK	Mexican.....	NAMC	Ortolan.....	NIKC
Larkspur (L. H. T.)	NAMB	Meyer.....	NUJR	Osborne.....	NUQC
Laub.....	NIJG	Michigan.....	NJZ	Oseola.....	NOA
Le Vallette.....	NUJT	Milwaukee.....	NISM	Osmond Ingram.....	NIGF
Lawrence.....	NUQQ	Minnesota.....	NKD	Ossipee (C. G. C.)	NRJ
Lea.....	NETF	Mississippi.....	NKE	Overton.....	NUJN
Leary.....	NAFL	Missoula.....	NKM	Owl.....	NAC8
Lexington.....	NEDB	Modoc (C. G. C.)	NIVD	Paducah.....	NOG
Lt. Col. Herman C. Schumm.....	WYBS	Mohave.....	NTO	Palmer.....	NECV
Lilac (L. H. T.)	NUCF	Mohawk.....	NUFB	Palos.....	NQS
Litchfield.....	NUMM	Mojave (C. G. C.)	NIXB	Pamlico (C. G. C.)	NRR
Little.....	NRT	Monadnock.....	NHD	Pampanga.....	NQT
Louisiana.....	NJB	Monaghan.....	NKL	Panther.....	NOJ
Luce.....	NEGD	Monocacy.....	NQQ	Parker.....	NIX
Ludlow.....	NENZ	Montana.....	NISJ	Parrott.....	NUPD
Lydonia (C. & G. S.)	NDR	Montcalm.....	NEQF	Partridge.....	NIJG
Lykens.....	NALK	Montgomery.....	NAXJ	Patapsco.....	NOL
MacDonough.....	NUQR	Moody.....	NULT	Pathfinder (C. & G. S.)	NLJ
Machias.....	NQL	Morgan-Lewis.....	WXQ	Patoka.....	NUGN
Mackenzie (C. G. C.)	NEVX	Morrill (C. G. C.)	NRC	Patterson.....	NOK
Mackinac (C. G. C.)	NUGD	Morris.....	NWS	Patuxent.....	NOM
MacLeish.....	NUPT	Mugford.....	NEXR	Paulding.....	NON
Maddox.....	NETX	Mullany.....	NUML	Paul Hamilton.....	NAQN
Madrono (L. H. T.)	NAMV	Murray.....	NAXK	Paul Jones.....	NUQN
Magnolia (L. H. T.)	NAPS	N-1.....	NZE	Pawtucket.....	NUJ
Mahan.....	NEQK	N-2.....	NZF	Peacock.....	NIKD
Mahopac.....	NETD	N-3.....	NZG	Peary.....	NUQD
Major Albert G. Forse. Major Albert G. Jenkins.....	WYAQ	Nansemond.....	NTL	Pecos.....	NIPO
Major Evan Thomas. Major William P. Pence.....	WYBV	Nantucket.....	NFU	Pelican.....	NEFK
Mallard.....	WYAO	Napa.....	NEVC	Penguin.....	NECT
Mangrove.....	WYBW	Navajo.....	NKZ	Pennsylvania.....	NOE
Manhattan (C. G. C.)	NIBK	Navesink.....	WXU	Penobscot.....	NOE
Manley.....	NANV	Nebraska.....	NMA	Pensacola.....	NGN
Manning (C. G. C.)	NEKZ	Neches.....	NIFP	Pentucket.....	NUL
Mansfield (Bureau of Fisheries).....	NRN	Neptune.....	NMS	Pequot.....	NUPJ
Manzanita (L. H. T.)	NUMV	Nereus.....	NNF	Percival.....	NIJ
Maple (L. H. T.)	NLU	Nevada.....	NCA	Perkins.....	NOX
Marblehead.....	NAPV	New Hampshire.....	NME	Perry.....	NUQS
Marcus.....	NIRR	New Jersey.....	NMF	Philip.....	NEDG
Marigold (L. H. T.)	NUMG	New Mexico.....	NQW	Pigeon.....	NIKF
Marinduque (C. & G. S.)	NAQV	New Orleans.....	NMG	Pillsbury.....	NUQG
Mars.....	NIGV	Newport.....	NMH	Pinola.....	NEVL
Maryland.....	NJR	Newport News.....	NHZ	Pioneer (C. & G. S.)	NILL
Mascoutin (C. G. C.)	NARC	New York.....	NCC	Piscataqua.....	NAQC
Mason.....	NIVP	Niagara.....	NABC	Pittsburgh.....	NOT
Massachusetts.....	NAGG	Nicholas.....	NUNZ	Pope.....	NUQB
Mattole.....	NIRQ	Nicholson.....	NIU	Porter.....	NOO
Maumee.....	NUGM	Nitro.....	NELL	Prairie.....	NQM
Maury.....	NNE	Noa.....	NUKF	Preble.....	NUNG
Mayflower (President's yacht)	NEPG	Nokomis.....	NAMM	President (P. O. Dept.)	NURL
Mayflower (L. H. T.)	NJV	North Carolina.....	NISK	Preston.....	NUNJ
Mayrant.....	NZQ	North Dakota.....	NMO	Procyon.....	NURF
McCall.....	NJU	O-1.....	NEXJ	Prometheus.....	NQR
McCalla.....	NJW	O-2.....	NETJ	Proteus.....	NNNG
McCawley.....	NUGM	O-3.....	NAMR	Pruitt.....	NUPV
McCook.....	NLEB	O-4.....	NAMX	Pueblo.....	NDN
McCormick.....	NIGB	O-5.....	NANZ	Putnam.....	NUPG
McDermut.....	NUPZ	O-6.....	NANB	Fyro.....	NELK
McDougal.....	NIGG	O-7.....	NANC	Quall.....	NIKQ
McFarland.....	NIT	O-8.....	NAND	Quiros.....	NQZ
McKean.....	NETB	O-9.....	NAGB	R-1.....	NIIC
McKee.....	NEMT	O-10.....	NAXT	R-2.....	NIID
McLanahan.....	NACQ	O-11.....	NETK	R-3.....	NIIF
Meade.....	NIKG	O-12.....	NETL	R-4.....	NILG
Medusa.....	NEBJ	O-13.....	NEZN	R-5.....	NIIL
Meigs.....	NEMC	O-14.....	NEVD	R-6.....	NIK
Melville.....	WXD	O-15.....	NEXS	R-7.....	NIIL
	NKA	O-16.....	NASM	R-8.....	NIIL
		O'Bannon.....	NEKS	R-9.....	NIIL
		O'Brien.....	NIV	R-10.....	NIILP
		Ohio.....	NMW	R-11.....	NILO
		Oil Barge No. 9	NEQL	R-12.....	NIIL
		Oklahoma.....	NCB	R-13.....	NIILS
		Olympia.....	NGG	R-14.....	NIILT
		Omaha.....	NISL		

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
R-15.....	NASV	S-34.....	NIPC	Selfridge.....	NUJZ
R-16.....	NASX	S-35.....	NIPD	Seminole (C. G. C.)	NRS
R-17.....	NAFX	S-36.....	NIPF	Semmes.....	NAFZ
R-18.....	NEGC	S-37.....	NIPG	Seneca (C. G. C.)	NRE
R-19.....	NEGK	S-38.....	NIPJ	Sepulga.....	NUGT
R-20.....	NARZ	S-39.....	NIPK	Sequoia (L. H. T.)	NLV
R-21.....	NILV	S-40.....	NIPL	Sharkey.....	NULV
R-22.....	NILX	S-41.....	NIPM	Shaw.....	NKU
R-23.....	NILZ	S-42.....	NIPN	Shawmut.....	NML
R-24.....	NIMB	S-43.....	NIPP	Shawnee (C. G. C.)	NIZZ
R-25.....	NIMC	S-44.....	NIPQ	Shirk.....	NUJV
R-26.....	NIMD	S-45.....	NIPR	Shubrick.....	NWU
R-27.....	NIMF	S-46.....	NIPS	Sicard.....	NUPL
Radford.....	NEXB	S-47.....	NIPT	Sigourney.....	NAJB
Rail.....	NAQJ	S-48.....	NIPV	Simpson.....	NUPX
Rainbow.....	NFZ	S-49.....	NIPX	Sinclair.....	NULR
Raleigh.....	NIRT	S-50.....	NIPZ	Sirius.....	NUPP
Ramapo.....	NUGP	S-51.....	NIQK	Sloat.....	NUMD
Ramsay.....	NIFC	Sacramento.....	NQV	Slocum.....	WXS
Ranger (C. & G. S.)	NUDG	Sagamore.....	NANX	Smith (C. G. C.)	NIKG
Rapidan.....	NUGQ	Saint Louis.....	NTF	Smith Thompson	NUJJ
Rappahannock.....	NJO	Salem.....	NTP	Snohomish (C. G. C.)	NRF
Rathburne.....	NACR	Salinas.....	NUGR	Solace.....	NST
Redwing.....	NIKG	Samoset.....	NUU	Somers.....	NWV
Regulus.....	NASQ	Sampson.....	NKS	Somme.....	WXB
Reid.....	NUNK	Sanderling.....	NIJS	Sonoma.....	NTG
Relief (Hospital Ship No. 1)	NEPQ	Sandpiper.....	NIKK	Sotoyomo.....	NECZ
Reno (Navy).....	NAMD	Sands.....	NULQ	Southard.....	NAJX
Reno (Army).....	WYAN	San Francisco.....	NTQ	South Bend.....	KEXQ
Renshaw.....	NEVZ	Sapelo.....	NUGS	South Carolina.....	NSW
Rueben James.....	NUNT	Sara Thompson.....	NEMD	South Dakota.....	NISG
Rhode Island.....	NTX	Saratoga.....	NELB	S. P. 179 (Privateer)	NUDF
Richmond.....	NISQ	Satterlee.....	NAGC	S. P. 181 (Helori)	NEFS
Rigel.....	NURG	Saukoo (C. G. C.)	NIVQ	S. P. 185 (Clarinda)	NUFZ
Ringgold.....	NALT	Savannah.....	NGS	S. P. 1015 (Challenge)	NEKS
Rizal.....	NEVV	S. C. 23.....	NOBQ	S. P. 1116 (Genesee)	NKG
Roanoke.....	NHU	S. C. 57.....	NODF	S. P. 1149 (Barnett)	NUFN
Robert L. Barnes.....	NAZZ	S. C. 63.....	NODN	S. P. 1161 (Francis B. Hackett)	NTD
Robert Smith.....	NUKB	S. C. 64.....	NODP	S. P. 2047 (Moosehead)	NAQM
Robin.....	NAHQ	S. C. 102.....	NOGL	S. P. 2225 (Navigator)	NECD
Robinson.....	NAJX	S. C. 106.....	NOGQ	Speedwell (L. H. T.)	NIZF
Rochester.....	NTR	S. C. 143.....	NOKN	Spica.....	NURD
Rocket.....	NUT	S. C. 154.....	NOLC	S. P. Lee.....	NESB
Rodgers.....	NWT	S. C. 159.....	NOLK	Sprigg Carroll.....	WZU
Roe.....	NTZ	S. C. 185.....	NOMD	Sproston.....	NEVT
Roper.....	NERX	S. C. 186.....	NOMF	Spruce (L. H. T.)	NIXD
Rose (L. H. T.).....	NASD	S. C. 188.....	NOMJ	Stansbury.....	NEXV
Rowan.....	NKR	S. C. 191.....	NOMM	Sterrett.....	NTB
S-1.....	NIMG	S. C. 192.....	NONM	Stevens.....	NAPK
S-2.....	NIMJ	S. C. 210.....	NONN	Stewart.....	NUNN
S-3.....	NIMK	S. C. 214.....	NONS	Stockton.....	NEO
S-4.....	NIML	S. C. 223.....	NOPF	Stoddert.....	NALZ
S-6.....	NIMN	S. C. 224.....	NOPG	Stribbling.....	NAVS
S-7.....	NIMP	S. C. 229.....	NOPN	Stringham.....	NACP
S-8.....	NIMQ	S. C. 231.....	NOPQ	Sturgeon Bay.....	NITZ
S-9.....	NIMR	S. C. 271.....	NORS	Sturtevant.....	NUJP
S-10.....	NIMS	S. C. 287.....	NOSQ	Sumac (L. H. T.)	NASG
S-11.....	NIMT	S. C. 306.....	NOTR	Summer.....	NUQX
S-12.....	NIMV	S. C. 320.....	NOVC	Sunflower (L. H. T.)	NUFM
S-13.....	NIMX	S. C. 326.....	NOVL	Sunnadin.....	NEVB
S-14.....	NIMZ	S. C. 328.....	NOVN	Surveyor (C. & G. S.)	NQV
S-15.....	NINB	S. C. 330.....	NOVQ	Swallow.....	NEFL
S-16.....	NINC	S. C. 340.....	NOXF	Swan.....	NIJP
S-17.....	NIND	S. C. 341.....	NOXG	Swasey.....	NIGP
S-18.....	NINF	S. C. 353.....	NOXS	Sylph.....	NTL
S-19.....	NING	S. C. 412.....	NOZJ	T-1.....	NILB
S-20.....	NI NJ	S. C. 419.....	NOZR	T-2.....	NABB
S-21.....	NINK	S. C. 432.....	NIQL	T-3.....	NABZ
S-22.....	NINL	S. C. 440.....	NIQV	Tacoma.....	NUA
S-23.....	NINM	San Pedro.....	WZZ	Tadousac.....	NAZQ
S-24.....	NINN	Santa Leonora.....	KIML	Talbot.....	NAPL
S-25.....	NINP	Saturn.....	WYCD	Tallapoosa (C. G. C.)	NRV
S-26.....	NINQ	Shaw.....	WYCD	Tamaroa (C. G. C.)	NIVR
S-27.....	NINR	Schenck.....	WYCD	Tampa (C. G. C.)	NITC
S-28.....	NINS	Schley.....	WYCD	Tanager.....	NABS
S-29.....	NINT	Sciota.....	WYCD	Tarbell.....	NEZP
S-30.....	NINV	Scorpion.....	WYCD	Tatnuck.....	NETQ
S-31.....	NINX	Seagull.....	WYCD	Tattnall.....	NEPS
S-32.....	NINZ	Seattle.....	WYCD	Taylor.....	NALR
S-33.....	NIPB	Sebago.....	WYCD	Teal.....	NAPN

## GOVERNMENT SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Con.

Ship.	Call signal.	Ship.	Call signal.	Ship.	Call signal.
Tennessee.....	NSE	Tuscarora (C. G. C.) ..	NRL	Waters.....	NATT
Tern.....	NIKT	Twiggs.....	NEPV	Welborn C. Wood.....	NULJ
Terry.....	NUI	Umpqua.....	NATS	Welles.....	NAJZ
Texas.....	NCD	Unadilla.....	NEFT	Wenonah.....	NJJ
Thatcher.....	NESV	Unalga (C. G. C.) ..	NRX	West Virginia.....	NEDJ
Thomas (Navy).....	NIFN	Undaunted.....	NNX	Wheeling.....	NWH
Thomas (Army).....	WXM	United States.....	NUNQ	Whipple.....	NUNL
Thompson.....	NAZC	Upshur.....	NERS	Whippoorwill.....	NIJQ
Thornton.....	NWX	Utah.....	NVE	Whitney.....	NTRL
Thrush.....	NIKS	V-1.....	NICQ	Wickes.....	NATJ
Tillman.....	NEQT	V-2.....	NICR	Widgeon.....	NAQF
Tingard (C. G. C.) ..	NISB	V-3.....	NICS	Wilkes.....	NKQ
Tingeay.....	NWY	V-4.....	NICT	Willet.....	NIKN
Tippecanoe.....	NUGV	V-5.....	NICV	William B. Preston.....	NUMQ
Topeka.....	NLY	V-6.....	NICX	William Jones.....	NARR
Torpedo Test Barge No. 1.....	NIFR	V-7.....	NICZ	Williams.....	NENT
Torpedo Test Barge No. 2.....	NIFS	V-8.....	NIDD	Williamson.....	NUNS
Torpedo Test Barge No. 3.....	NIFX	V-9.....	NIDJ	Wilmington.....	NWK
Torpedo Test Barge No. 4.....	NIFZ	Vaughan (C. G. C.) ..	NITD	Winslow.....	NJA
Toucey.....	NULX	Vega.....	NAXM	Wolverine.....	NGW
Tracy.....	NUJL	Vermont.....	NVK	Wompatuck.....	NVJ
Traffic.....	NVC	Vestal.....	NMC	Wood.....	NUMF
Trenton.....	NISR	Villalobos.....	NVP	Woodbury.....	NATM
Trever.....	NUMP	Vireo.....	NIKL	Woodcock.....	NIKP
Trinity.....	NUGX	Virginia.....	NVR	Worden.....	NUNM
Trippé.....	NUQ	Vixen.....	NSU	Wright.....	NIRN
Triton.....	NVC	Vulcan.....	NVT	Wyoming.....	NWQ
Truxton.....	NUQK	Wadsworth.....	NKW	Yacona.....	NJM
Tucker.....	NKV	Wainwright.....	NKX	Yamacraw (C. G. C.) ..	NRY
Tulip (L. H. T.) .....	NXX	Walke.....	NWL	Yarborough.....	NUMC
Tulsa.....	NIST	Walker.....	NESX	Yarnall.....	NIGS
Turkey.....	NIJF	Wandank.....	NARF	Yocona (C. G. C.) ..	NUNB
Turner.....	NERQ	Warbler.....	NIKM	Young.....	NESG
		Ward.....	NAGS	Yukon.....	NAQD
		Warrington.....	NWD	Zane.....	NUMN
		Washington.....	NWE	Zeelin.....	NUMB
		Wasmuth.....	NUKC	Zizania (L. H. T.) .....	NZZ

# GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS.

Call.	Station.	Call.	Station.
KDEF	Omaha, Nebr.....c	NAH	Fire Island.....c
KDEG	Cheyenne, Wyo.....c	NAI	Manasquan (R. C.).....c
KDEH	Salt Lake City, Utah.....c	NAJ	New York, N. Y.....c
KDEJ	Elko, Nev.....c	NAJB	Sandy Hook, N. J. (R. C.).....c
KDEK	Reno, Nev.....c	NAJC	Philadelphia, Pa.....c
KDEL	Bryan, Ohio.....c	NAJD	Great Lakes, Ill.....c
KDHM	North Platte, Nebr.....c	NAJK	Sigourney.....b
KDHN	Rock Springs, Wyo.....c	NAJR	Relief Light Vessel.....c
KDQA	Maywood, Ill.....c	NAJS	Black Hawk.....b
KDQC	San Francisco, Calif. (receiving only).....c	NAJT	Southard.....b
KDTS	Iowa City, Iowa.....c	NAJL	Colhoun.....b
KEXQ	South Bend.....b	NAJP	Finch.....b
KIML	Santa Leonora.....b	NAJQ	Bancroft.....b
KKI	Kilkenny.....b	NAJR	Gregory.....b
KTK	Akutan, Alaska.....c	NAJS	Fenwick Island Shoal Light Vessel.....c
NAA	Washington, D. C. (Arlington).....c	NAJT	Columbia River Light Vessel.....c
NAB	(Cape Elizabeth, Me. (R. C.).....c	NAJV	Cape Charles Light Vessel.....c
NABB	Portland, Me.....c	NAJX	Robinson.....b
NABC	T-2.....b	NAJZ	Welles.....b
NABC	Niagara.....b	NAK	Annapolis, Md. (Naval Academy).....c
NABP	Anemone.....b	NAKD	Ajax.....b
NABS	Tanager.....b	NAKL	Heather.....b
NABT	Swiftsure Bank Light Vessel.....e	NAKN	Hibiscus.....b
NABV	Cape Lookout Shoals Light Vessel.....c	NAKS	San Francisco, Calif., Light Vessel.....c
NABX	Brunswick Light Vessel.....c	NAKV	Ivy.....b
NABZ	T-3.....b	NAL	Kitty.....b
NAC	Portsmouth, N. H.....c	NALC	Washington, D. C. (Navy Yard).....c
NACB	Apache.....b	NALK	Lapwing.....b
NACD	Relief (light vessel).....c	NALM	Lykens.....b
NACL	Hale.....b	NALP	Boreas.....b
NACN	Dyer.....b	NALR	Kingfisher.....b
NACP	Stringham.....b	NALT	Taylor.....b
NACQ	McKee.....b	NALZ	Ambrose Channel Light Vessel.....c
NACR	Rathburne.....b	NAM	Ringgold.....b
NACS	Owl.....b	NAMB	Stoddert.....b
NACT	Blunts Reef Light Vessel.....c	NAMC	(Norfolk, Va.....c
NACV	Umatilla Reef Light Vessel.....c	NAMD	(Virginia Beach, Va.....c
NACZ	Allegheny.....b	NAMG	Larkspur.....b
	Boston, Mass.....c	NAMM	Mexican.....b
NAD	Deer Island, Mass. (R. C.).....c	NAMR	NAMD.....b
	Fourth Cliff, Mass. (R. C.).....c	NAMT	Reno.....b
	Gloucester, Mass. (R. C.).....c	NAMV	General Alava.....b
	Relief (light vessel).....c	NAMX	Nokomis.....b
NADB	Arcata.....b	NAMZ	0-3.....b
NADD	Crowninshield.....b	NAND	NAMT.....b
NADF	Kimberly.....b	NANQ	Boggs.....b
NADP	Avocet.....b	NANV	NAMV.....b
NADT	W inter Quarter Shoals Light Vessel.....c	NANX	Madrono.....b
NADV	Five Fathom Bank Light Vessel.....c	NANZ	0-4.....b
NAE	North Truro, Mass. (R. C.).....c	NAO	NAMZ.....b
NAF	Newport, R. I.....c	NAP	(Cape Lookout, N. C. (R. C.).....c
NAFC	(Prices Neck, R. I. (R. C.).....c	NAPG	(Morehead City, N. C.....c
NAFF	Dickerson.....b	NAPK	0-6.....b
NAFL	Brant.....b	NAPL	0-7.....b
NAFN	Leary.....b	NAPM	0-8.....b
NAFP	Cardinal.....b	NAPN	Robin.....b
NAFR	Cayuga.....b	NAPR	Mangrove.....b
NAFS	Artic.....b	NAPS	Sagamore.....b
NAFV	Burns.....b	NAPT	Farquhar.....b
NAFX	Fern.....b	NAPV	NAO.....c
NAFZ	R-17.....b	NAQ	Charleston, S. C.....c
NAGB	Semmes.....b	NAQC	NAP.....c
NAGC	O-9.....b	NAQD	St. Augustine, Fla.....c
NAGG	Satterlee.....b		Seattle.....b
NAGL	Mason.....b		Stevens.....b
NAGM	Chandler.....b		Talbot.....b
NAGQ	Arbutus.....b		Converse.....b
NAGS	Curacao.....b		Teal.....b
NAGV	Ward.....b		NAPR.....b
NAGX	Hyacinth.....b		Camden.....b
	Gwin.....b		NAPS.....b
			Magnolia.....b
			NAPT.....b
			Maple.....b
			Jupiter, Fla.....c
			(Jupiter, Fla. (R. C.).....c
			Piscataqua.....b
			Yukon.....b

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.	Call.	Station.	
NAQF	Widgeon.....	b	Hog Island, Va. (R. C.).....	c
NAQJ	Rail.....	b	Poyner's Hill, N. C. (R. C.).....	c
NAQM	S. P. 2047 (Moosehead).....	b	Virginia Beach, Va. (R. C.).....	c
NAQN	Paul Hamilton.....	b	Celtic.....	b
NAQV	Marigold.....	b	Washington, D. C. (Sayville, N. Y.).....	c
NAR	{Key West, Fla. ....	c	California.....	b
	{Key West, Fla. (R. C.)....	c	Chester.....	b
NARC	Maryland.....	b	Cheyenne.....	b
NARF	Wandank.....	b	Cleveland.....	b
NARG	Chemung.....	b	Pueblo.....	b
NARP	Aramis.....	b	Comfort.....	b
NARR	William Jones.....	b	Connecticut.....	b
NARS	Northeast End Light Vessel.....	c	Lydonia.....	b
NARZ	R-20.....	b	{Cape Hatteras, N. C. ....	c
NAS	{Pensacola, Fla. ....	c	{Cape Hatteras, N. C. (R. C.) ....	c
	{Pensacola, Fla. (R. C.)....	c	Dahlgren, Va. ....	c
NASC	Cornfield Point Light Vessel.....	c	Constitution.....	b
NASD	Rose.....	b	Meade.....	b
NASG	Sumac.....	b	H-9.....	b
NASJ	Gold Star.....	b	NECD S. P. 2225 (Navigator).....	b
NASM	O-16.....	b	NECK Farenholz.....	b
NASQ	Regulus.....	b	NECR Colorado.....	b
NASV	R-15.....	b	NECT Penguin.....	b
NASX	R-16.....	b	NECV Palmer.....	b
NAT	New Orleans, La. ....	c	NECZ Sotoyomo.....	b
NATB	Antares.....	b	NEDB Lexington.....	b
NATG	Bell.....	b	NEDF Constellation.....	b
NATJ	Wickes.....	b	NEDG Philip.....	b
NATM	Woodbury.....	b	NEDJ West Virginia.....	b
NATS	Umpqua.....	b	H-6.....	b
NATT	Waters.....	b	NEFC Pelican.....	b
NAU	San Juan, P. R. ....	c	NEFK Swallow.....	b
NAV	Parris Island, S. C. ....	c	NEFL S. P. 181 (Helori).....	b
NAVM	Explorer.....	b	NEFT Unadilla.....	b
NAVS	Stribling.....	b	NEGC R-18.....	b
NAW	Guantanamo, Cuba.....	c	NEGD Luce.....	b
NAX	Colon, C. Z. ....	c	NEGF Dent.....	b
NAXJ	Montgomery.....	b	NEGK R-19.....	b
NAXK	Murray.....	b	NEGS Fortune.....	b
NAXM	Vega.....	b	NEIB Eagle 1.....	b
NAXN	Kewaydin.....	b	NEJC Eagle 2.....	b
NAXS	O-15.....	b	NEJD Eagle 3.....	b
NAXT	O-10.....	b	NEJF Eagle 4.....	b
NAY	Point Isabel, Tex. ....	c	NEJG Eagle 5.....	b
NAZ	Managua, Nicaragua.....	c	NEJJ Eagle 6.....	b
NAZC	Thompson.....	b	NEJK Eagle 7.....	b
NAZK	Capella.....	b	NEJL Eagle 8.....	b
NAZL	Lamberton.....	b	NEJM Eagle 9.....	b
NAZM	Kennedy.....	b	NEJN Eagle 10.....	b
NAZP	Bagaduce.....	b	NEJP Eagle 11.....	b
NAZQ	Tadousac.....	b	NEJQ Eagle 12.....	b
NAZS	Kalmia.....	b	NEJR Eagle 13.....	b
NAZZ	Robert L. Barnes.....	b	NEJS Eagle 14.....	b
NBA	Balboa, C. Z. ....	c	NEJT Eagle 15.....	b
NBB	St. Thomas, V. I. ....	c	NEJZ Eagle 18.....	b
NBD	{Bar Harbor, Me. (Otter Cliffs)....	c	NEK Delaware.....	b
NBG	{Bar Harbor, Me. (R. C.)....	c	Eagle 19.....	b
NBJ	Indian Head, Md. ....	c	Eagle 23.....	b
NBM	Albany.....	b	Eagle 24.....	b
NBP	Amagansett, N. Y. (R. C.)....	c	Falcon.....	b
NBR	Ammen.....	b	Champlin.....	b
NBS	Annapolis.....	b	Hercules.....	b
NBU	Surfside, Mass. (R. C.)....	c	S. P. 1015 (Challenge).....	b
NBV	Arethusa.....	b	Manhattan.....	b
NBW	Arkansas.....	b	{Lakehurst, N. J. ....	c
NBX	Arizona.....	b	{Lakehurst, N. J. (R. C.) ....	c
NCA	South Pass, La. (R. C.)....	c	Saratoga.....	b
NCB	Nevada.....	b	Dorsey.....	b
NCC	Oklahoma.....	b	Pyro.....	b
NCD	New York.....	b	Nitro.....	b
NCE	Texas.....	b	H-8.....	b
NCF	Pennsylvania.....	b	Contocook.....	b
NCH	Bailey.....	b	Asheville.....	b
NCL	Baltimore.....	b	Aaron Ward.....	b
NCM	Beale.....	b	Denver.....	b
NCN	Tau, Samoa.....	c	Medusa.....	b
NCU	Birmingham.....	b	Sara Thompson.....	b
NCV	Buffalo.....	b	Schenck.....	b
NCX	Burrows.....	b	Herbert.....	b
	Dreadnaught.....	b	Branch.....	b

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NEMS	Evans.....	b	NEVS	Anthony.....
NEMT	McKean.....	b	NEVT	Sproston.....
NEMV	Harding.....	b	NEVV	Rizal.....
NEMX	Gridley.....	b	NEVX	Mackenzie.....
NEMZ	Chew.....	b	NEVZ	Renshaw.....
NEN	Des Moines.....	b	NEXB	Radford.....
NENG	Israel.....	b	NEXC	Keosanqua.....
NENJ	Herndon.....	b	NEXF	Eagle 26.....
NENL	Heron.....	b	NEXG	Eagle 27.....
NENM	Dallas.....	b	NEXJ	O-1.....
NENS	Hazlewood.....	b	NEXM	Eagle 28.....
NENT	Williams.....	b	NEXN	Eagle 29.....
NENV	Hart.....	b	NEXR	Mugford.....
NENX	Ingraham.....	b	NEXS	O'Bannon.....
NENZ	Ludlow.....	b	NEXT	Tarbell.....
NEO	Stockton.....	b	NEXV	Delphy.....
NEPB	Hovey.....	b	NEXX	Gamble.....
NEPD	J. D. Long.....	b	NEXZ	Abbot.....
NEPF	Broome.....	b	NEZJ	Haraden.....
NEPG	Maury.....	b	NEZN	Eagle 32.....
NEPQ	Relief (Hospital Ship No. 1).....	b	NEZP	O-13.....
NEPS	Tattnall.....	b	NEZQ	Tarbell.....
NEPT	Badger.....	b	NEZR	Delphy.....
NEPV	Twiggs.....	b	NEZS	Gamble.....
NEPX	Babbitt.....	b	NEZT	Abbot.....
NEPZ	Jacob Jones.....	b	NEZV	Clemson.....
NEQF	Montcalm.....	b	NEZX	Hatfield.....
NEQK	Mahan.....	b	NEZZ	Brooks.....
NEQL	Oil Barge No. 9.....	b	NFD	Belknap.....
NEQM	H-4.....	b	NFE	El Cano.....
NEQQ	Beaver.....	b	NFH	Charleston.....
NEQS	Buchanan.....	b	NFM	Smith Island, Wash.....
NEQT	Tillman.....	b	NFN	Fanning.....
NEQX	Kennison.....	b	NFR	Cattle Point, Wash.....
NEQZ	Claxton.....	b	NFT	Florida.....
NERB	Gilmer.....	b	NFU	New Dungeness, Wash. (R. C.).....
NERG	Aulick.....	b	NFV	Nantucket.....
NERJ	Craven.....	b	NFX	Quantico, Va.....
NERL	Landsdale.....	b	NFY	Housatonic.....
NERQ	Turner.....	b	NFZ	Intrepid.....
NERR	Gillis.....	b	NGC	Rainbow.....
NERS	Upshur.....	b	NGD	Boston.....
NERT	Greer.....	b	NGF	Galveston.....
NERV	Elliott.....	b	NGG	Georgia.....
NERX	Roper.....	b	NGI	Olympia.....
NERZ	Breckinridge.....	b	NGJ	Chattanooga.....
NESB	S. P. Lee.....	b	NGN	Goldsborough.....
NESG	Young.....	b	NGP	Pensacola.....
NESJ	H-7.....	b	NGR	Beaufort.....
NESM	Breeze.....	b	NGS	Bridgeport.....
NESR	Fathomer.....	b	NGU	Savannah.....
NESS	Brenadou.....	b	NGV	Hannibal.....
NEST	Cole.....	b	NGW	Hartford.....
NESV	Thatcher.....	b	NGX	Wolverine.....
NESX	Walker.....	b	NGY	Otu, Samoa.....
NESZ	Crosby.....	b	NHA	Helena.....
NET	Drayton.....	b	NHD	Henley.....
NETB	McFarland.....	b	NHF	Monadnock.....
NETD	Mahopac.....	b	NHI	Isabel.....
NETF	Lea.....	b	NHN	Hancock.....
NETG	H-5.....	b	NHO	Idaho.....
NETI	O-2.....	b	NHU	Illinois.....
NETK	O-11.....	b	NHV	Roanoke.....
NETL	O-12.....	b	NHY	Iroquois.....
NETQ	Tatnuck.....	b	NHZ	Kittery.....
NET	Meredith.....	b	NIB	Bath.....
NETT	Bush.....	b	NIBB	Newport News.....
NETV	Cowell.....	b	NIBC	Jarvis.....
NETX	Maddox.....	b	NIBD	Eagle 33.....
NETZ	Koka.....	b	NIBF	Eagle 39.....
NEU	Dubuque.....	b	NIBG	Eagle 40.....
NEV	Savannah, Ga.....	c	NIBJ	Eagle 35.....
NEVB	Tybee Island, Ga. (R. C.).....	c	NIBK	Eagle 41.....
NEVC	Sunnadin.....	b	NIBL	Eagle 36.....
NEVD	Napa.....	b	NIBM	Eagle 42.....
NEVK	O-14.....	b	NIBM	Eagle 37.....
NEVL	Sciota.....	b	NIBN	Eagle 34.....
NEVM	Pinola.....	b	NIBP	Eagle 38.....
NEVP	Oriole.....	b	NIBQ	Eagle 43.....
NEVQ	Algoma.....	b	NIBR	Eagle 44.....
NEVR	Carrabassett.....	b	NIBS	Eagle 45.....
	Iuka.....	b		Eagle 46.....

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.	
NIBT	Eagle 47.....	b	NIKG	Redwing.....	b
NIBV	Eagle 48.....	b	NIKK	Sandpiper.....	b
NIBX	Eagle 49.....	b	NIKL	Vireo.....	b
NIBZ	Eagle 50.....	b	NIKM	Warbler.....	b
NICB	Eagle 51.....	b	NIKN	Willet.....	b
NICC	Eagle 52.....	b	NIKP	Woodcock.....	b
NICD	Eagle 53.....	b	NIKQ	Quail.....	b
NICF	Eagle 54.....	b	NIKR	Elder.....	b
NICG	Eagle 55.....	b	NIKS	Thrush.....	b
NICJ	Eagle 56.....	b	NIKT	Tern.....	b
NICK	Eagle 57.....	b	NIKV	Cormorant.....	b
NICL	Eagle 58.....	b	NIKX	Grebe.....	b
NICM	Eagle 59.....	b	NIL	Cummings.....	b
NICN	Eagle 60.....	b	NILB	T-1.....	b
NICP	Cygan.....	b	NILC	R-1.....	b
NICQ	V-1.....	b	NILD	R-2.....	b
NICR	V-2.....	b	NILF	R-3.....	b
NICS	V-3.....	b	NILG	R-4.....	b
NICT	V-4.....	b	NILJ	R-5.....	b
NICV	V-5.....	b	NILK	R-6.....	b
NICX	V-6.....	b	NILL	R-7.....	b
NICZ	V-7.....	b	NILM	R-8.....	b
NID	Jenkins.....	b	NILN	R-9.....	b
NIDD	V-8.....	b	NILP	R-10.....	b
NIDF	Despatch.....	b	NILQ	R-11.....	b
NIDJ	V-9.....	b	NILR	R-12.....	b
NIE	Jouett.....	b	NILS	R-13.....	b
NIFB	Crane.....	b	NILT	R-14.....	b
NIFC	Ramsay.....	b	NILV	R-21.....	b
NIFD	Ellis.....	b	NILX	R-22.....	b
NIFF	Chauncey.....	b	NILZ	R-23.....	b
NIFG	Fuller.....	b	NIM	Cushing.....	b
NIFI	Percival.....	b	NIMB	R-24.....	b
NIFK	Brazos.....	b	NIMC	R-25.....	b
NIFL	Hamilton.....	b	NIMD	R-26.....	b
NIFM	Howard.....	b	NIMF	R-27.....	b
NIFN	Thomas.....	b	NIMG	S-1.....	b
NIFP	Neches.....	b	NIMJ	S-2.....	b
NIFQ	Pecos.....	b	NIMK	S-3.....	b
NIFR	Torpedo Test Barge No. 1.....	b	NIML	S-4.....	b
NIFS	Torpedo Test Barge No. 2.....	b	NIMN	S-6.....	b
NIFV	Cyan.....	b	NIMP	S-7.....	b
NIFX	Torpedo Test Barge No. 3.....	b	NIMQ	S-8.....	b
NIFZ	Torpedo Test Barge No. 4.....	b	NIMR	S-9.....	b
NIGB	McCook.....	b	NIMS	S-10.....	b
NIGC	McCalla.....	b	NIMT	S-11.....	b
NIGD	Kalk.....	b	NIMV	S-12.....	b
NIGF	Osmond Ingram.....	b	NIMX	S-13.....	b
NIGG	McDermut.....	b	NIMZ	S-14.....	b
NIGJ	Laub.....	b	NIN	Downes.....	b
NIGK	McLanahan.....	b	NINB	S-15.....	b
NIGL	Edwards.....	b	NINC	S-16.....	b
NIGM	Greene.....	b	NIND	S-17.....	b
NIGN	Ballard.....	b	NINF	S-18.....	b
NIGP	Swasey.....	b	NING	S-19.....	b
NIGQ	John Francis Burnes.....	b	NINJ	S-20.....	b
NIGR	J. Fred Talbot.....	b	NINK	S-21.....	b
NIGS	Yarnall.....	b	NINL	S-22.....	b
NIGV	Marinduque.....	b	NINM	S-23.....	b
NIH	Aylwin.....	b	NINN	S-24.....	b
NII	Balch.....	b	NINP	S-25.....	b
NIJ	Benham.....	b	NINQ	S-26.....	b
NIJB	Curlew.....	b	NINR	S-27.....	b
NIJF	Turkey.....	b	NINS	S-28.....	b
NIJG	Partridge.....	b	NINT	S-29.....	b
NIJJ	Bobolink.....	b	NINV	S-30.....	b
NIJK	Lark.....	b	NINX	S-31.....	b
NIJL	Pioneer.....	b	NINZ	S-32.....	b
NIJM	Seagull.....	b	NIO	Kansas.....	b
NIJN	Guide.....	b	NIP	Kearsarge.....	b
NIJP	Swan.....	b	NIPB	S-33.....	b
NIJQ	Whippoorwill.....	b	NIPC	S-34.....	b
NIJR	Bittern.....	b	NIPD	S-35.....	b
NIJS	Sanderling.....	b	NIPF	S-36.....	b
NIJT	Discoverer.....	b	NIPG	S-37.....	b
NIJV	Chewink.....	b	NIPJ	S-38.....	b
NIJX	Gannett.....	b	NIPK	S-39.....	b
NIK	Cassin.....	b	NIPL	S-40.....	b
NIKB	Mallard.....	b	NIPM	S-41.....	b
NIKC	Ortolan.....	b	NIPN	S-42.....	b
NIKD	Peacock.....	b	NIPP	S-43.....	b
NIKF	Pigeon.....	b	NIPQ	S-44.....	b

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.		Call.	Station.
NIPR	S-45.	b	NKE	Mississippi.
NIPS	S-46.	b	NKG	S. P. 1116 (Genesee).
NIPT	S-47.	b	NKK	Mercy.
NIPV	S-48.	b	NKL	Monaghan.
NIPX	S-49.	b	NKM	Missoula.
NIPZ	S-50.	b	NKQ	Wilkes.
NIQ	Kentucky.	b	NKR	Rowan.
NIQK	S-51.	b	NKS	Sampson.
NIQL	S. C. 432.	b	NKT	Schley.
NIQM	Boxer.	b	NKU	Shaw.
NIQV	S. C. 440.	b	NKV	Tucker.
NIR	Duncan.	b	NKW	Wadsworth.
NIRL	Whitney.	b	NKX	Wainwright.
NIRM	Holland.	b	NKZ	Navajo.
NIRN	Wright.	b	NLA	Nantucket Shoals Light Vessel.
NIRP	Iowa.	b	NLC	Frying Pan Shoals Light Vessel.
NIRQ	Massachusetts.	b	NLD	Bird Island, Calif. (R. C.).
NIRR	Marblehead.	b	NLE	Commodore.
NIRS	Indiana.	b	NLF	Kukul.
NIRT	Raleigh.	b	NLG	Point Reyes, Calif. (R. C.).
NIRV	Concord.	b	NLH	Point Montara, Calif. (R. C.).
NIRX	Canopus.	b	NLJ	Pathfinder.
NIRZ	Denebola.	b	NLK	Bache.
NIS	Ericsson.	b	NLL	Columbine.
NISB	Tingard.	b	NLM	Cypress.
NISG	South Dakota.	b	NLP	Head Bank Light Vessel.
NISJ	Montana.	b	NLS	Fire Island Light Vessel.
NISK	North Carolina.	b	NLT	Orchid.
NISL	Omaha.	b	NLU	Manzanita.
NISM	Milwaukee.	b	NLV	Sequoia.
NISN	Cincinnati.	b	NLW	Cedar.
NISP	Detroit.	b	NLY	Topeka.
NISQ	Richmond.	b	NMA	Nebraska.
NISR	Trenton.	b	NMC	Vestal.
NISS	Memphis.	b	NMD	Point Hueneme, Calif.
NIST	Tulsa.	b	NME	New Hampshire.
NISV	Chaumont.	b	NMF	New Jersey.
NISX	Argonne.	b	NMG	New Orleans.
NISZ	Bayspring.	b	NMH	Newport.
NIT	McDougal.	b	NMK	Aroostook.
NITC	Tampa.	b	NML	Shawmut.
NITD	Vaughan.	b	NMN	Charlotte.
NITF	Haida.	b	NMO	North Dakota.
NITL	Nansemond.	b	NMS	Neptune.
NITQ	Diamond Shoals Light Vessel.	c	NMW	Ohio.
NITR	Relief (Light Vessel).	c	NMZ	Oregon.
NITS	Relief (Light Vessel).	c	NNB	Jason.
NITV	Cahokia.	b	NNC	Langley.
NITX	Kickapoo.	b	NND	Kanawha.
NITZ	Sturgeon Bay.	b	NNE	Maumee.
NIU	Nicholson.	b	NNF	Nereus.
NIV	O'Brien.	b	NNG	Proteus.
NIVD	Modoc.	b	NNI	St. Croix, V. I.
NIVP	Mascoutin.	b	NNT	Cape Mala, Panama.
NIVQ	Saukee.	b	NNW	La Palma, Panama.
NIVR	Tamaroa.	b	NNX	Undaunted.
NIVS	Alexander Hamilton.	b	NOA	Osceola.
NIX	Parker.	b	NOB	Abarenda.
NIXB	Mojave.	b	NOBQ	S. C. 23.
NIXD	Spruce.	b	NOC	Orion.
NIXG	Smith.	b	NOD	Cuyama.
NIZF	Speedwell.	b	NODF	S. C. 57.
NIZJ	Shawnee.	b	NODN	S. C. 63.
NJA	Winslow.	b	NODP	S. C. 64.
NJB	Louisiana.	b	NOE	Penobscot.
NJD	Allen.	b	NOF	Anacostia, D. C. (Naval laboratory).
NJE	Conyngham.	b	NOG	Paducah.
NJF	Davis.	b	NOGL	S. C. 102.
NJG	San Domingo City, D. R.	c	NOGM	S. C. 103.
NJJ	Wenonah.	b	NOGQ	S. C. 106.
NJM	Yacona.	b	NOH	Henderson.
NJO	Rappahannock.	b	NOI	Bridge.
NJR	Mars.	b	NOJ	Panther.
NJS	Frederick.	b	NOK	Patterson.
NJU	Nayrant.	b	NOKN	S. C. 143.
NJV	Mayflower (President's yacht).	b	NOL	Patapsco.
NJW	McCall.	b	NOLC	S. C. 154.
NJZ	Michigan.	b	NOLK	S. C. 159.
NKA	Melville.	b	NOM	Patuxent.
NKB	Galveston, Tex.	c	NOMD	S. C. 185.
NKC	Navassa Island, W. I.	c	NOMF	S. C. 186.
NKD	Minnesota.	b	NOMJ	S. C. 188.

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL SIGNALS—Continued.

Call.	Station.	Call.	Station.
NOMM	S. C. 191.....	b	NRS Seminole.....
NOMN	S. C. 192.....	b	NRT Little.....
NON	Paulding.....	b	NRU Acushnet.....
NONN	S. C. 210.....	b	NRV Tallapoosa.....
NONS	S. C. 214.....	b	NRW Comanche.....
NOO	Porter.....	b	NRX Unalga.....
NOPE	S. C. 223.....	b	NRY Yamacraw.....
NOPG	S. C. 224.....	b	NSC Port au Prince, Haiti.....
NOPN	S. C. 229.....	b	NSD [Bethany Beach, Del. (R. C.).....
NOPQ	S. C. 231.....	b	Cape Henlopen, Del. (R. C.).....
NORS	S. C. 271.....	b	Cape May, N. J. (R. C.).....
NOSN	S. C. 285.....	b	NSE Tennessee.....
NOSQ	S. C. 287.....	b	NSF Anacostia, D. C. (R. C.).....
NOT	Pittsburgh.....	b	NSH Manley.....
NOTR	S. C. 306.....	b	NSI Caldwell.....
NOVC	S. C. 320.....	b	NSJ Washington, D. C. (laboratory).....
NOVL	S. C. 326.....	b	NSN Conner.....
NOVN	S. C. 328.....	b	NSP Arapho.....
NOVQ	S. C. 330.....	b	NSR Washington, D. C. (Annapolis, Md.).....
NOX	Perkins.....	b	NST Solace.....
NOXF	S. C. 340.....	b	NSU Vixen.....
NOXG	S. C. 341.....	b	NSV South Carolina.....
NOXS	S. C. 353.....	b	NSW Huron.....
NOZJ	S. C. 412.....	b	NSZ Cumberland.....
NOZR	S. C. 419.....	b	NTA Ontario.....
NPA	Cordova, Alaska.....	c	NTB Sterrett.....
NPB	Sitka, Alaska.....	c	NTD S. P. 1161 (Francis B. Hackett).....
NPC	Puget Sound, Wash. (Bremerton)....c	c	Saint Louis.....
NPD	Tatoosh, Wash.....	c	NTF NTG Somona.....
NPE	Tatoosh, Wash. (R. C.).....	c	Sylph.....
NPF	North Head, Wash.....	c	NTL NTN Fairfax.....
NPG	Empire, Oreg. (R. C.).....	c	NTO Mohave.....
NPH	Marshfield, Oreg.....	c	NTP Salem.....
NPI	San Francisco, Calif.....	c	NTQ San Francisco.....
NPJ	Hilo, T. H.....	c	NTR Rochester.....
NPK	Farrallon Island, Calif. (R. C.).....	c	NTT Scorpion.....
NPL	Shanghai, China (receiving only)....c	c	NTX Rhode Island.....
NPM	Point Arguello, Calif. (R. C.).....	c	NTZ Roe.....
NPN	Imperial Beach, Calif. (R. C.).....	c	NUA Tacoma.....
NPO	Point Loma, Calif. (R. C.).....	c	NUCF Lilac.....
NPP	San Diego, Calif.....	c	NUDF S. P. 179 (Privateer).....
NPR	Honolulu, Hawaii (Heeia Point)....c	c	NUDG Ranger.....
NPS	Honolulu, Hawaii (Pearl Harbor)....c	c	NUDP Apo.....
NPT	Guam, Guam Island.....	c	NUFB Mohawk.....
NPU	Cavite, P. I.....	c	NUFM Sunflower.....
NPV	Peking, China.....	c	NUFN S. P. 1149 (Barnett).....
NPW	St. Paul, Alaska.....	c	NUFP S. P. 185 (Clarinda).....
NPR	Dutch Harbor, Alaska.....	c	NUFZ Eagle Harbor, Mich. (R. C.).....
NPS	Kodiak, Alaska.....	c	NUG Mackinac.....
NPT	Olongapo, P. I.....	c	NUGD Keweah.....
NPU	Tutuila, Samoa.....	c	NUGK Laramie.....
NPV	Seward, Alaska.....	c	NUGL Mattole.....
NPW	Eureka, Calif.....	c	NUGM Patoka.....
NPX	Eureka, Calif. (R. C.).....	c	NUGN Ramapo.....
NPY	Inglewood, Calif.....	c	NUGP Rapidan.....
NQL	Point Fermin, Calif. (R. C.).....	c	NUGQ Salinas.....
NQM	(San Pedro, Calif.).....	c	NUGR Sapelo.....
NQQ	St. George, Alaska.....	c	NUGS Sepulga.....
NQR	Machias.....	b	NUGT Tippecanoe.....
NQS	Prairie.....	b	NUGV Trinity.....
NQT	Monocacy.....	b	NUGX Terry.....
NQU	Prometheus.....	b	NUI Pawtucket.....
NQV	Palos.....	b	NUJD Abel P. Upshur.....
NQW	Pampanga.....	b	NUJF Hunt.....
NQZ	Surveyor.....	b	NUJJ Sturtevant.....
NRA	Sacramento.....	b	NUJK Henshaw.....
NRB	New Mexico.....	b	NUJR Meyer.....
NRC	Quiros.....	b	NUJS Doyen.....
NRE	Algonquin.....	b	NUJT LaVallette.....
NRF	Bear.....	b	NUJL Shirk.....
NRG	Morrill.....	b	NUJM Overton.....
NRH	Seneca.....	b	NUJP Sturtevant.....
NRJ	Snohomish.....	b	NUJQ Henshaw.....
NRK	Gresham.....	b	NUJR Selfridge.....
NRL	Cleveland, Ohio.....	c	NUJS Robert Smith.....
NRM	Ossipee.....	b	NUJT Wasmuth.....
NRN	Puerto Obaldia, Panama.....	c	NUJV
NRO	Tuscarora.....	b	NUJX
NRR	Cape Hinchinbrook, Alaska (R. C.)....c	b	NUJZ
	Manning (C. G. C.).....	b	NUKB
	Onondaga.....	b	NUKC
	Pamilico.....	b	

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL STATIONS—Continued.

Call.	Station.	Call.	Station.	
NUKD	Hulbert.	b	NUQT	Hull.....
NUKF	Noa.....	b	NUQV	Decatur.....
NUKX	Humphreys.	b	NUQX	Sumner.....
NUL	Pentucket.	b	NUQZ	Corry.....
NULG	Harbor Tug No. 67.	b	NURC	Melvin.....
NULJ	Welborn C. Wood.	b	NURD	Spica.....
NULK	Alden.....	b	NURF	Procyon.....
NULL	Borie.....	b	NURG	Rigel.....
NULM	Kane.....	b	NURJ	Altair.....
NULN	Childs.....	b	NURK	Eider.....
NULP	King.....	b	NURL	President.....
NULQ	Sands.....	b	NUT	Rocket.....
NULR	Sinclair.....	b	NUU	Samoset.....
NULS	McCawley.....	b	NUV	Sebago.....
NULT	Moody.....	b	NUW	Soapstone Point, Alaska (R. C.).....
NULV	Sharkey.....	b	NVA	Traffic.....
NULX	Toucey.....	b	NVC	Triton.....
NULZ	Breck.....	b	NVD	Juneau, Alaska.....
NUMB	Zeilin.....	b	NVE	Utah.....
NUMC	Yarborough.....	b	NVH	Ketchikan, Alaska.....
NUMD	Sloat.....	b	NVJ	Wompatuck.....
NUMF	Wood.....	b	NVK	Vermont.....
NUMG	Marcus.....	b	NVL	Seattle, Wash.....
NUMJ	Mervine.....	b	NVP	Villalobos.....
NUMK	Chase.....	b	NVR	Virginia.....
NUML	Mullaney.....	b	NVS	Farragut.....
NUMM	Litchfield.....	b	NVT	Vulcan.....
NUMN	Zane.....	b	NVU	Bagley.....
NUMP	Trever.....	b	NVV	Barney.....
NUMQ	William B. Preston.....	b	NVW	Biddle.....
NUMV	Mansfield (Bureau of Fisheries).....	b	NVX	Blakely.....
NUMX	Harbor Tug No. 61.....	b	NVZ	Dahlgren.....
NUMZ	Kankakee.....	b	NWC	Dupont.....
NUNB	Yocona.....	b	NWD	Warrington.....
NUNC	Lamson.....	b	NWE	Washington.....
NUND	Dale.....	b	NWF	Foot.....
NUNF	Flusser.....	b	NWG	Huntington.....
NUNG	Preble.....	b	NWH	Wheeling.....
NUNJ	Preston.....	b	NWJ	Fox.....
NUNK	Reid.....	b	NWK	Wilmington.....
NUNL	Whipple.....	b	NWL	Walke.....
NUNM	Worden.....	b	NWQ	Wyoming.....
NUNN	Stewart.....	b	NWS	Morris.....
NUNQ	United States.....	b	NWT	Rodgers.....
NUNR	Dobbin.....	b	NWU	Shubrick.....
NUNS	Williamson.....	b	NWV	Somers.....
NUNT	Reuben James.....	b	NWX	Thornton.....
NUNV	Isherwood.....	b	NWY	Tingy.....
NUNX	Case.....	b	NXU	Azalea.....
NUNZ	Nicholas.....	b	NXX	Tulip.....
NUPO	John D. Edwards.....	b	NYD	H-2.....
NUPD	Parrott.....	b	NYE	H-3.....
NUPF	Lardner.....	b	NYF	K-1.....
NUPG	Putnam.....	b	NYG	K-2.....
NUPJ	Pequot.....	b	NYH	K-3.....
NUPK	Coghlan.....	b	NYI	K-4.....
NUPL	Sicard.....	b	NYJ	K-5.....
NUPM	Edsall.....	b	NYK	K-6.....
NUPN	Bulmer.....	b	NYL	K-7.....
NUPP	Sirius.....	b	NYM	K-8.....
NUPQ	Billingsley.....	b	NYO	L-2.....
NUPR	Charles Ausburne.....	b	NYP	L-3.....
NUPS	Bruce.....	b	NYR	L-5.....
NUPT	MacLeish.....	b	NYS	L-6.....
NUPV	Pruitt.....	b	NYT	L-7.....
NUPX	Simpson.....	b	NYU	L-8.....
NUPZ	McCormick.....	b	NYV	L-9.....
NUQ	Tripp.....	b	NYX	L-11.....
NUQB	Popé.....	b	NZC	Bushnell.....
NUQC	Osborne.....	b	NZD	Fulton.....
NUQD	Peary.....	b	NZE	N-1.....
NUQF	Goff.....	b	NZF	N-2.....
NUQG	Pillsbury.....	b	NZG	N-3.....
NUQJ	Ford.....	b	NZO	Annapolis, Md. (laboratory).....
NUQK	Truxton.....	b	NZQ	Mayflower.....
NUQL	Bainbridge.....	b	NZS	Fort Stevens, Oreg. (RC).....
NUQM	Hopkins.....	b	NZT	Ocean Park, Wash. (RC).....
NUQN	Paul Jones.....	b	NZU	Grand Marais, Mich. (R. C.).....
NUQP	Barry.....	b	NZV	Whitefish Point, Mich. (R. C.).....
NUQQ	Lawrence.....	b		Detour Point, Mich. (R. C.).....
NUQR	MacDonough.....	b		Folly Island, S. C. (R. C.).....
NUQS	Perry.....	b		

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL STATIONS—Continued.

Call.	Station.	Call.	Station.	
NZW	North Island, S. C. (R. C.)	.c	WXD	Meigs
NZZ	Zizania	.b	WXG	Fort Washington, Md.
WJI	Atka Island, Alaska	.c	WXH	Grant
WUA	Fort Andrews, Mass.	.c	WXI	Merritt
WUAG	Fort Mills, P. I.	.c	WXJ	Valdez, Alaska
WUAH	West Point, N. Y.	.c	WXX	Hot Springs, Alaska
WUAI	Fort Ethan Allen, Vt.	.c	WXL	Iditarod, Alaska
WUAJ	Manila, P. I.	.c	WXM	Thomas
WUAK	Fort Wint, P. I.	.c	WXO	Craig, Alaska
WUAL	Fort Drum, P. I.	.c	WPX	Fort Travis, Tex.
WUB	Fort Hancock, N. J.	.c	WXQ	Morgan-Lewis
WUBA	Camp Alfred Vail, N. J.	.c	WXR	Dellwood
WUBB	Camp Grant, Ill.	.c	WXS	Slocum
WUBC	Camp Knox, Ky.	.c	WXT	Joseph Henry
WUBD	Fort Sill, Okla.	.c	WXU	Navesink
WUBE	Fort Amador, C. Z.	.c	WXV	McGrath, Alaska
WUBV	Key West, Fla.	.c	WXW	General John M. Schofield
WUC	Fort H. G. Wright, N. Y.	.c	WXX	Fort Yukon, Alaska
WUCA	Camp Stotsenburg, P. I.	.c	WXY	Washington, D. C.
WUCB	Fort John Hay, P. I.	.c	WXX	Fort Storey, Va.
WUCG	Fort De Lesseps, C. Z.	.c	WYA	Mitchell Field, N. Y.
WUCH	Fort Sherman, C. Z.	.c	WYAA	General Royal T. Frank
WUCI	Fort Randolph, C. Z.	.c	WYAB	General S. M. Mills
WUCK	Fort McArthur, Calif.	.c	WYAF	General E. O. C. Ord
WUCN	Fort Rodman, Mass.	.c	WYAG	Colonel George Armistead
WUCU	Fort Williams, Me.	.c	WYAH	General Robert Anderson
WUCV	Fort McKinley, Oreg.	.c	WYAI	Captain Charles W. Rowell
WUD	Fort Leavenworth, Kans.	.c	WYAJ	General A. M. Randall
WUE	Fort Leveett, Me.	.c	WYAM	Captain James Fornance
WUF	Fort Monroe, Va.	.c	WYAN	Reno
WUG	Camp Marfa, Tex.	.c	WYAO	Major Evan Thomas
WUH	Fort McIntosh, Tex.	.c	WYAP	Captain Gregory Barrett
WUI	Fort Riley, Kans.	.c	WYAQ	Major Albert G. Forse
WUJ	Fort Sam Houston, Tex.	.c	WYAS	General G. W. Getty
WUK	Fort Stevens, Oreg.	.c	WYAW	General R. H. Jackson
WUL	Fort Totten, N. Y.	.c	WYAX	Illinois
WUN	Fort Worden, Wash.	.c	WYAY	General Richard Arnold
WUO	Fort Winfield Scott, Calif.	.c	WYB	Bolling Field, D. C.
WUP	Anchorage, Alaska	.c	WYBA	General Absalom Baird
WUQ	Tientsin, China	.c	WYBB	General J. Franklin Bell
WUR	Fort Morgan, Ala.	.c	WYBD	General William M. Graham
WUS	Fort Rosecrans, Calif.	.c	WYBE	Colonel George F. E. Harrison
WUT	Fort Caswell, N. C.	.c	WYBN	Captain Fred L. Perry
WUU	Fort Adams, R. I.	.c	WYBP	Captain Edward P. Nones
WUV	Livengood, Alaska	.c	WYBS	Lieutenant Col. Herman C. Schumm
WUU	Fort Terry, N. Y.	.c	WYBV	Major Albert G. Jenkins
WUX	Fort Crockett, Tex.	.c	WYBW	Major William P. Pence
WUY	Fort San Jacinto, Tex.	.c	WBY	Captain Clarence M. Condon
WUZ	Fort Brown, Tex.	.c	WYC	Langley Field, Va.
WVA	Circle, Alaska	.c	WYCA	Cuba
WVB	Fairbanks, Alaska	.c	WYCB	Inspector
WVC	Fort Egbert, Alaska	.c	WYCC	Jupiter
WVD	Fort Gibbon, Alaska	.c	WYCD	Saturn
WVE	Fort St. Michael, Alaska	.c	WYCE	Gama
WVF	Ruby, Alaska	.c	WYCF	Iota
WVG	Nome, Alaska	.c	WYCG	Kappa
WVH	Nulato, Alaska	.c	WYCH	Henry Flad
WVI	Bethel, Alaska	.c	WVCI	B. M. Harrod
WVK	Holy Cross, Alaska	.c	WYCY	West Memphis, Ark.
WVL	Fort Frank, P. I.	.c	WYD	Fairfield, Ohio
WVM	Noorvik, Alaska	.c	WYE	Selfridge Field, Mich.
WVN	Fort Mills, P. I.	.c	WYF	Scott Field, Ill.
WVO	Boston, Mass.	.c	WYG	Kelly Field, Tex.
WVP	Governors Island, N. Y.	.c	WYH	Rockwell Field, Calif.
WVQ	Fort Howard, Md.	.c	WYI	Langin Field, W. Va.
WVR	Fort McPherson, Ga.	.c	WYJ	Chanute Field, Ill.
WVS	Fort Benjamin Harrison, Ind.	.c	WYK	Maxwell, Ala.
WVT	Chicago, Ill.	.c	WYP	France Field, C. Z.
WVU	Fort Omaha, Nebr.	.c	WYQ	Luke Field, Hawaii
WVV	Jefferson Barracks, Mo.	.c	WYR	Kindley Field, P. I.
WVV	Fort D. A. Russell, Wyo.	.c	WYS	Clark Field, P. I.
WVX	Fort Douglas, Utah	.c	WYT	Camp Nichols, P. I.
WVY	San Francisco, Calif.	.c	WZA	Fort Screven, Ga.
WVZ	Fort Hayes, Ohio	.c	WZB	Fort Clark, Tex.
WWO	Cleveland, Ohio	.c	WZC	Fort Whitman, Wash.
WWQ	Bellefonte, Pa.	.c	WZD	Fort Barrancas, Fla.
WWT	Afognak, Alaska	.c	WZE	Fort Constitution, N. H.
WWU	Hempstead, N. Y. (Hazelhurst Field)	.c	WZF	Fort Moultrie, S. C.
WWV	Washington, D. C.	.c	WZG	Fort Bragg, N. C.
WWX	Washington, D. C.	.c	WZH	Port Eads, La.
WXA	Cambrai	.b	WZI	Fort Ringgold, Tex.
WXB	Somme	.b	WZJ	Fort Casey, Wash.

## GOVERNMENT LAND AND SHIP RADIO STATIONS, BY CALL STATIONS—Continued.

Call.	Station.	Call.	Station.
WZK	Fort Dade, Fla.....c	WZR	General Nathaniel Greene.....b
WZL	Camp S. D. Little, Ariz.....c	WZS	Fort Snelling, Minn.....c
WZM	Camp Jones, Ariz.....c	WZU	Sprigg Carroll.....b
WZN	Fort Du Pont, Del.....c	WZV	General J. M. Brannan.....b
WZO	Fort Bliss, Tex.....c	WZW	General R. N. Batchelder.....b
WZP	Fort Huachuca, Ariz.....c	WZX	General Mifflin.....b
WZQ	General Timothy Pickering.....b	WZZ	San Pedro.....b

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of June 30, 1922 only.]

**NOTE.—**Amateur stations and technical and training school stations use wave lengths between 150 and 220 meters. The wavelengths used by experimental stations are variable.

Station.	Call signal.	Station controlled by—
Abilene, Tex.....	5YN	Simmons College.
Do.....	5ZAX	Eugene W. Wood, 340 Butternut Street.
Agricultural College, Miss.....	5YD	Mississippi Agricultural and Mechanical College.
Agricultural College, N. Dak.....	9YG	North Dakota Agricultural College.
Albuquerque, N. Mex.....	5XAM	Harley L. Sherwood, 1518 East Central Avenue.
Do.....	5YQ	University of New Mexico.
Alexandria, La.....	5ZD	Frank B. Beuhler.
Alliance, Ohio.....	8YT	Mount Union College.
Altadena, Calif.....	6XB	Altadena Radio Laboratory.
Do.....	6XR	Do.
Amarillo, Tex.....	5ZH	J. Laurance Martin, 605 East Fourth Street.
Ames, Iowa.....	9YT	Iowa State College.
Amston, Conn.....	1XAI	Newsprint Corp., care of Courtland Smith, 522 Fifth Avenue, New York, N. Y.
Ann Arbor, Mich.....	8XA	University of Michigan.
Anthony, Kans.....	9ZAC	T. A. H. Radio Co.
Appleton, Wis.....	9YAR	Lawrence College.
Asheville, N. C.....	4ZI	Edmond A. Jackson, 11 Pisgah Avenue.
Ashland, Ohio.....	8ZN	J. W. Kauffman, 208 Claremont Avenue.
Athol, Mass.....	1XP	Leon W. Bishop, 160 Cottage Street.
Atlanta, Ga.....	4XA	Emory University.
Do.....	4XC	B. W. Benning, 50 Whiteford Avenue.
Do.....	4XH	H. E. Bussey, 76 East Fifth Street.
Do.....	4XI	Technological High School.
Do.....	4XN	Bryan Electric Co.
Do.....	4YA	Georgia School of Technology.
Do.....	4YP	Georgia School of Technology, Signal Corps Unit.
Do.....	4ZB	Georgia Railway & Power Co.
Auburn, Ala.....	5XA	Alabama Polytechnic Institute.
Auburn, N. Y.....	8YA	Edward L. Colby (Colby's Telegraph School).
Austin, Tex.....	5XU	University of Texas.
Do.....	5XX	Tom L. Gray, 3908 Avenue F.
Do.....	5ZAG	George E. Endress, 711 West Twenty-third Street.
Do.....	5ZU	Wesley H. Tilley, 4112 Avenue F.
Avalon, Calif.....	6XAD	Lawrence Mott, Santa Catalina Island, Calif.
Do.....	6ZW	Do.
Bala, Pa.....	3ZA	Charles A. Service, Jr.
Baldwinsville, N. Y.....	8XAV	J. E. Page.
Baltimore, Md.....	3XG	Johns Hopkins University.
Do.....	3XX	R. Selway Collmus, 2817 Windsor Avenue.
Do.....	3YH	Y. M. C. A. Radio School.
Do.....	3YR	Polytechnic Institute, City of Baltimore.
Do.....	3ZU	Southern Wireless Institute.
Bangor, Me.....	1XG	Bangor Railway & Electric Co.
Barnesville, Ohio.....	8ZAC	Clifford H. Galloway.
Baton Rouge, La.....	5YW	Louisiana State University.
Do.....	5ZAC	Wilmer L. Barrow, 918 Convention Street.
Battle Creek, Mich.....	8YN	Battle Creek High School.
Baudette, Minn.....	9ZC	John A. Gjelhaug.
Bay St. Louis, Miss.....	5ZAU	Hubert E. De Ben, Front Street.
Beatty, Pa.....	8YAG	St. Vincents College.
Beeville, Tex.....	5ZAI	Rialto Theatre (Hall Brothers).
Belfast, Me.....	1XAO	R. C. A., 233 Broadway, New York, N. Y.
Do.....	1XAP	Do.
Belman, N. J.....	2XAO	C. R. Tinsley, 3017 Wheeler Street.
Berkeley, Calif.....	6XAY	University of California.
Do.....	6XM	A. H. Babcock, 10 Tanglewood Road.
Do.....	6ZD	Fred L. Wismar, 1906 Chestnut Street.
Do.....	6ZQ	Arthur L. Kent, 199 Court Street.
Binghamton, N. Y.....	8XAM	Alabama Power Co.
Birmingham, Ala.....	5XC	John C. Bell, 1913 Fifth Avenue.
Do.....	5ZAS	Virginia Polytechnic Institute.
Blacksburg, Va.....	3CXN	Schonwald Brothers.
Blackwell, Okla.....	5ZZ	Illinois Wesleyan University.
Bloomington, Ill.....	9YS	Indiana University.
Bloomington, Ind.....	9YAG	Independent School District of Boise City, Boise High School.
Boise, Idaho.....	7YA	

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station controlled by—
Boise, Idaho.....	7ZI	Fred Brown, Seventh and Idaho Streets.
Do.....	7ZN	Bird B. Bliss, Jr., 417 Bannock Street.
Boston, Mass.....	1XA F	Edison Electric Illuminating Co. of Boston.
Boston, Mass. (portable).....	1XAG	Do.
Boston, Mass.....	1YC	Eastern Radio Institute (Francis D. Pitts).
Do.....	1YS	Massachusetts Radio and Telegraph School.
Boulder, Colo.....	9XA Q	University of Colorado.
Bozeman, Mont.....	7XB	Montana State College.
Do.....	7ZL	H. Everett Cutting, 420 West Koch Street.
Brookline, Mass.....	1XA	James C. Ramsey, 369 Tappan Street.
Brooklyn, N. Y.....	2XT	Lowenstein Radio Co.
Brownwood, Tex.....	5XF	Howard Payne College.
Brunswick, Me.....	1ZA	Bowdoin College.
Buena Vista, Va.....	3ZAA	J. Frank Kay, Walnut Street.
Buffalo, N. Y.....	8XD	Federal Telephone & Telegraph Co.
Do.....	8YP	Seneca Vocational School.
Burwood, La.....	5XE	T. R. T. Co.
Butte, Mont.....	7XM	Great Falls Power Co.
Do.....	7ZF	F. F. Gray, 3200 Richardson Street.
Cambridge, Mass.....	1XA B	Clapp-Eastham Co., 139 Main Street.
Do.....	1XJ	Harvard University.
Do.....	1XM	Massachusetts Institute of Technology.
Do.....	1XO	General Radio Co.
Camden, N. J.....	3YQ	Federal Institute of Radio Telegraphy.
Camp Hill, Pa.....	3ZD	J. Cox Thompson.
Canton, Ohio.....	8ZV	Henry L. Ley, 619 Fourth Street.
Cape Girardeau, Mo.....	9YA Q	Southeast Missouri State Teachers College.
Casper, Wyo.....	7ZO	Norman R. Hood, 1022 South Ash Street.
Cazenovia, N. Y.....	8XH	Clive B. Meredith.
Charlotte, N. C.....	4XD	F. M. Laxton, Belvedere Avenue.
Charlottesville, Va.....	3XB A	Virginia Radio Co.
Cherrydale, Va.....	3XD	Edwin L. White, 1 Columbia Street
Chicago, Ill. (portable).....	9XB	City of Chicago.
Chicago, Ill.....	9XG	Austin A. Howard, 4601 North Central Park Avenue.
Do.....	9XN	Leroy M. E. Clausing, 4545 North Whipple Street.
Do.....	9XO	Morkrum Co., 1410 Wrightwood Avenue.
Do.....	9XU	Midwest Radio Central, Drake Hotel.
Do.....	9XY	Westinghouse Electric & Mfg. Co., 72 West Adams Street.
Do.....	9YL	Armour Institute of Technology.
Do.....	9ZN	Ralph H. G. Mathews, 332 South Michigan Avenue.
Cincinnati, Ohio.....	8XA H	Ohio Mechanics Institute.
Do.....	8XA J	Union Gas & Electric Co.
Do.....	8XB	Precision Equipment Co.
Do.....	8XT	Crosley Mfg. Co.
Do.....	8YAC	St. Xavier College.
Do.....	8YAD	East High School.
Do.....	8YS	University of Cincinnati, Department of Physics.
Do.....	8YX	University of Cincinnati, Department of Electrical Engineering.
Do.....	8ZH	Cino Radio Mfg. Co., 218 West Twelfth Street.
Clarinda, Iowa.....	9ZAA	Farmers Mutual Telephone Co., 216 North Sixteenth Street.
Cleveland, Ohio.....	8XM	City Water Department
Do.....	8XO	Westinghouse Electric & Mfg. Co.
Do.....	8YL	East End Y. M. C. A.
Cliffwood, N. J.....	8ZP	Edward I. Deighan, 5415 Hermann Avenue.
Clifton, Ariz.....	2XF	Western Electric Co., 463 West Street, New York, N. Y.
Cochise, Ariz.....	6XB H	Roy M. Potter.
College Park, Ga.....	6ZC	Dr. J. B. Ellis, Box 24, Rancho De Casa Loma.
College Station, Tex.....	4XO	Atlanta & West Point R. R. Co
Do.....	5XB	Agricultural and Mechanical College of Texas.
Collegeville, Minn.....	5ZP	Ralph E. Smith.
Colorado Springs, Colo.....	9XT	St. Johns University.
Columbia, Mo.....	9XC	Colorado College.
Columbus, Ohio.....	9YM	University of Missouri.
Do.....	8XAT	Superior Radio & Telephone Equipment Co.
Commerce, Tex.....	8XJ	Ohio State University.
Do.....	8XR	Entrekirk Electric Co.
Do.....	8ZAF	Robert C. Bohanan, 1188 Willard Avenue.
Connellsville, Pa.....	5ZAM	Arthur C. West.
Connellsville, Pa. (portable).....	8XAP	West Penn Power Co.
Conway, Ark.....	8XA Q	Conway Radio Laboratories.
Corvallis, Oreg.....	5XAC	Oregon Agricultural College.
Do.....	7XH	Oregon Agricultural College, Department of Physics.
Craddock, Va.....	7YJ	Aloysius A. Kubiac.
Crete, Nebr.....	3ZZ	Doane College.
Culver, Ind.....	9YU	Culver Military Academy
Dallas.....	9YQ	John O. Newbury, 1822 Bennett Avenue.
Do.....	5XBC	City of Dallas, Police and Fire Signal Department.
Do.....	5ZA Q	Kendall Brothers, 3301 Wellborn Street.
Do.....	5ZAW	A. H. Belo & Co.
Do.....	5ZAY	Frank M. Corlett, 1101 East Eighth Street.
Do.....	5ZC	

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station controlled by—
Dartmouth, Mass.....	1XAN	Round Hills Radio Corp.
Do.....	1XV	Do.
Davenport, Iowa.....	9XAC	Karlowa Radio Corp.
Do.....	9XE	William H. Kirwan, 1416 West Pleasant Street.
Do.....	9YAP	St. Ambrose College.
Dayton, Ohio.....	8YU	Y. M. C. A.
Deal Beach, N. J.....	2XJ	Western Electric Co., 463 West Street, New York, N. Y.
Dearborn, Mich.....	8XD	Ford Motor Co.
Decatur, Ga.....	4ZF	Thurston Hatcher, 142 Adams Street.
Defiance, Ohio.....	8ZY	K. A. Duerk, 1000 Wilhelm Street.
Delanco, N. J.....	3XP	Henry M. Neely.
Delaware, Ohio.....	8YK	Ohio Wesleyan University.
Denver, Colo.....	9XAG	Harry H. Buckwalter, 713 Lincoln Street
Do.....	9ZAF	William D. Reynolds, 1124 South University Street.
Des Moines, Iowa.....	9YAC	Des Moines University.
Detroit, Mich.....	8XAR	Tecla Co., 1507 Cass Avenue
Do.....	8XZ	Supervisor of Radio, Eighth District.
Do.....	8YAF	University of Detroit.
Do.....	8YW	Detroit Junior College (Board or Education).
Douglas, Ariz.....	6ZZ	Harry L. Gooding, Box 175.
Douglas, Mont.....	7ZG	Winifred E. Slauson.
Douglas, Wyo.....	7ZV	Felix Thompson.
Dover, Ohio.....	8ZX	Harry S. Weber, 1113 Walnut Street.
Dublin, Tex.....	5XAJ	C. H. Baxter, 204 Grafton Street.
Do.....	5XJ	Guy W. Neel.
Dubuque, Iowa.....	9ZA	Clifford W. Patch, 295 Villa Street.
Dunmore, Pa.....	8ZQ	Roy C. Ehrhardt, 117 South Blakely Street.
Eagle Pass, Tex.....	5ZN	Ed. Nettleton.
Eagle Rock, Calif.....	6XAT	Oliver S. Garretson, 118 Fairmont Avenue.
Do.....	6ZAL	Do.
East Cleveland, Ohio.....	8YD	Shaw Technical School.
Easton, Pa.....	3YO	Lafayette College.
East Pittsburgh, Pa.....	8XS	Westinghouse Electric & Mfg. Co.
Eatontown, N. J.....	2XAU	Western Electric Co., 195 Broadway, New York, N. Y.
El Dorado, Kans.....	9XP	Midland Refining Co. (G. L. Carrington).
Elgin, Ill.....	9ZG	Albert C. Mertz.
Elk, Wyo.....	7ZE	Harold P. Sheard.
Ellendale, N. Dak.....	9ZX	H. J. Goddard.
El Monte, Calif.....	6XAX	G. S. Corpe, 517 West Main Street.
El Paso, Tex.....	5ZAD	A. LeRoy Hill, 809 North Oregon Street.
Do.....	5ZAR	Elite Electric Shop, 407 Mesa Avenue.
Emporia, Kans.....	5ZBB	Mine & Smelter Supply Co.
Enid, Okla.....	9YAA	College of Emporia.
Do.....	5XB0	Radio Phone Sales Co.
Enterprise, Oreg.....	5ZAL	Kenneth B. Griffin, 30 Day Building.
Enumclaw, Wash.....	5ZM	Charles E. Whartenby, 211 News Building.
Eugene, Oreg.....	7ZH	Orland M. Heacock.
Evanston, Ill.....	7YQ	Enumclaw High School.
Fayetteville, Ark.....	7YB	University of Oregon.
Do.....	9YH	Evanston High School.
Fort Lauderdale, Fla.....	5YF	University of Arkansas.
Fort Wayne, Ind.....	5ZAZ	Lawrence W. Stinson, 354 North West Street.
Fort Worth, Tex.....	4ZJ	John M. Anderson.
Do.....	9XH	City of Fort Wayne, Department of Public Safety.
Do.....	5XAP	W. E. Branch, 400 West Seventh Street.
Do.....	5YS	Oba R. Garrett, 611½ Main Street.
Do.....	5YV	Knights of Columbus School.
Franklinton, La.....	5ZAH	Fort Worth Record.
Fresno, Calif.....	5ZY	Fort Worth Star Telegram.
Friendship Heights, Md.....	5ZK	Paul E. Greenlaw.
Fullerton, Calif.....	6XU	San Joaquin Light & Power Corporation.
Fulton, Mo.....	3ZF	John V. Purcell.
Glenbrook, Conn.....	1XAK	Bryan H. Dennis, 115 West Amerige Avenue.
Gloucester, Mass.....	1XI	Westminster College.
Golden, Colo.....	9XAI	Stanford Radio Service Co.
Grand Coteau, La.....	5XZ	John Hays Hammond, jr.
Grand Rapids, Mich.....	8ZAG	Colorado School of Mines.
Granville, Ohio.....	8YM	St. Charles College.
Great Neck, N. Y.....	2XAN	Charles E. Holmes, 310 West Brown Street.
Greencastle, Ind.....	9YJ	Richard H Howe.
Green Harbor, Mass.....	1XD	Harry Alexander, 20 West Thirty-fourth Street, New York, N. Y.
Greenwich, Conn.....	1XB	De Pauw University.
Greybull, Wyo.....	7ZD	Western Electric Co., 463 West Street, New York, N. Y.
Grosse Point Farms, Mich.....	8XAS	Minton Cronkhite.
Grove City, Pa.....	8YV	F. N. Mitchell.
Gunnison, Colo.....	9YAH	Henry B. Joy, 301 Lake Shore Road.
Hamilton, Ohio.....	8XAG	Grove City College.
Hanover, N. H.....	1YB	Colorado State Normal School.
		Dorion Brothers Electric Co.
		Dartmouth College.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station controlled by—
Helena, Mont.....	7ZC	Fred C. Ashall, 536 North Warren Street.
Do.....	7ZQ	Vivion K. Roberts, 40 Olive Street.
Highland Park, Mich.....	8XAF	Howard P. Hardesty, 396 Monterey Avenue.
Do.....	8ZZ	Clyde E. Darr, 137 Hill Avenue.
Hoboken, N. J.....	2XD	Ware Radio Co., 160 Duane Street, New York, N. Y.
Honolulu, Hawaii.....	6XAP	The Electric Shop.
Do.....	6ZY	Thomas A. Marshall, 242-D Kaiulani Avenue.
Hood River, Oreg.....	7ZA	H. B. Read (The Radio Shop).
Houma, La.....	5ZAB	Pullen Brothers, 503 Roussel Street.
Houston, Tex.....	5XAA	Hurlbut-Still Electric Co., 1201 McKinney Avenue.
Do.....	5XAN	QRV Radio Co.
Do.....	5XBB	Southwest General Electric Co.
Do.....	5XN	Ernest Hubner, 1607 McKee Street.
Do.....	5XO	George McDouglas, 411 West Twenty-third Street.
Do.....	5YG	William M. Rice Institute.
Do.....	5ZE	B. J. Still, Brookline Avenue.
Do.....	5ZO	Clifford W. Vick, 1918 Smith Street.
Do.....	5ZT	Ingham S. Roberts III, 302 West Main Street.
Do.....	5ZV	Hallet E. Worthington, 4909 Park Drive.
Do.....	5ZX	Alfred F. Daniel, 2504 Bagby Street.
Hyattsville, Md.....	3XR	J. Harris Rogers.
Iowa City, Iowa.....	9YA	State University of Iowa.
Ithaca, N. Y.....	8XU	Cornell University.
Jacksonville, Fla.....	4ZE	James C. Kellow.
Julif, Tex.....	5ZW	Donald H. Graham, Elm Grove Plantation.
Kalamazoo, Mich.....	8XF	Kalamazoo College.
Kansas City, Mo.....	9XAB	Western Radio Co.
Do.....	9XK	Robert R. Moore, 3525 Walnut Street.
Key West, Fla.....	4XP	Aeromarine Airways (Inc.).
Knoxville, Tenn.....	5XBE	Peoples Telephone & Telegraph Co.
Do.....	5XK	George P. Stout, 1621 Riverside Drive.
Kountze, Tex.....	5ZAJ	Arthur H. Holt, Box 139.
Lacey, Wash.....	7YS	St. Martin's College.
La Crosse, Wis.....	9ZY	Ben A. Ott, 241 South Seventeenth Street.
Lamoni, Iowa.....	9YO	Graceland College.
Lansing, Mich.....	8ZF	Maurice H. Pancost, 1101 Climax Street.
Laredo, Tex.....	5ZAN	Charles G. Clark, Fort McIntosh.
Le Mars, Iowa.....	9YAE	Western Union College.
Lewisburg, Pa.....	8XN	Bucknell University.
Lexington, Ky.....	9YC	University of Kentucky.
Do.....	9ZI	Ray E. Anderson, 235 East Main Street.
Lexington, Va.....	3YK	Virginia Military Institute.
Do.....	3ZX	Harry M. Quisenberry, 23 Edmundson Avenue.
Lincoln, Nebr.....	9YY	University of Nebraska.
Little Rock, Ark.....	5XAB	Dr. L. M. Hunter, 2420 Izard Street.
Do.....	5ZL	John M. Clayton, 1301 Welch Street.
Los Angeles, Calif.....	6XAH	Archie Wade, jr., 465 North Lake Street.
Do.....	6XAK	Leo J. Meyberg Co., 950 South Flower Street.
Do.....	6XAQ	Lex B. Benjamin, 140 South Oxford Street.
Do.....	6XAS	Brooke E. Sawyer, 1707 Camden Court.
Do.....	6XAW	Hall Berringer, 637 South Hope Street.
Do.....	6XBA	Harold A. Duvall, 4965 Wadsworth Street.
Do.....	6XBC	Thomas E. Nikirk, 1050 West Eighty-ninth Street.
Los Angeles, Calif. (portable).....	6XBD	Los Angeles County Forestry Department.
Los Angeles, Calif.....	6XD	Western Radio Electric Co.
Do.....	6XJ	Dean Farran, 1410 South Van Ness Avenue
Do.....	6XK	Reginald P. MacKenzie, 1016 Fourth Avenue.
Do.....	6XL	General Petroleum Corp.
Do.....	6XQ	Southern California Edison Co.
Do.....	6XT	Bible Institute of Los Angeles.
Do.....	6XY	Earl C. Anthony (Inc.).
Do.....	6YA	Y. M. C. A.
Do.....	6ZAO	Harold A. Duvall, 4965 Wadsworth Street.
Do.....	6ZG	Forbes W. Van Why, 5128 South Van Ness Avenue.
Do.....	6ZR	Hall Berringer, 637 South Hope Street.
Do.....	6ZS	Lindley Winser, 200 Twenty-second Street.
Lynn, Mass.....	1XL	General Electric Co.
Macon, Ga.....	4XL	Mercer University.
Madison, Wis.....	9XM	University of Wisconsin.
Manhattan, Kans.....	9YV	Kansas State Agricultural College.
Mansfield, Ohio.....	8ZU	Radio Club of Mansfield, 139½ Carpenter Road.
Marietta, Ohio.....	8YAA	Marietta College.
Do.....	8ZO	George M. Withington, 316 Fifth Street.
Marion, Mass.....	1XAL	Irving Vermilya, 24 Allen St.
Do.....	1ZE	Do.
Mayville, N. Y.....	8ZAD	Experimental Radio Association.
Mayville, N. Dak.....	9XAS	M. G. Sateren.
Medford Hillside, Mass.....	1XE	American Radio & Research Corporation.
Media, Pa.....	3ZM	Simon Delbert, jr.
Memphis, Tenn.....	5ZB	Walker L. Wellford, jr., 205 South Belvedere Boulevard.
Do.....	5ZBA	John C. Flippin, 534 Pontotoc Avenue.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station controlled by—
Mesilla Park, N. Mex.....	5ZJ	R. W. Goddard.
Metuchen, N. J.....	2XAY	New York World (Edmund H. Hansen), World Building, New York, N. Y.
Middletown, Conn.....	1XN	Wesleyan University.
Minneapolis, Minn.....	9XI	University of Minnesota.
Do.....	9YX	William Hood Dunwoody Industrial Institute.
Do.....	9ZT	Donald C. Wallace, 54 North Pennsylvania Avenue.
Mobile, Ala.....	5XAE	Mobile Radio Co., O'Gwynn Building.
Do.....	5ZBD	George L. Barnett, 165 Chatham Street.
Monroe, Wis.....	9XA	United Telephone Co.
Montgomery, Ala.....	5XBA	Paul B. Brooks, 400 South McDonough Street.
Morgantown, W. Va.....	8YE	University of West Virginia, Department of Electrical Engineering.
Do.....	8YH	University of West Virginia, Department of Physics.
Moscow, Idaho.....	7ZM	Jack Woodworth, 107 Almon Street.
Mount Clemens, Mich.....	8XAE	Henry B. Joy, Penobscot Building, Detroit, Mich.
Neenah, Wis.....	9ZL	Fox River Radio Supply Co. (Cornelius & William Quinn).
Newark, N. J.....	2XAI	Westinghouse Electric & Mfg. Co., 95 Orange Street.
Do.....	2XAK	I. R. Nelson Co.
Do.....	2XAR	D. W. May (Inc.).
New Braunfels, Tex.....	5YK	Edgar A. Sahm, Box 567.
New Brunswick, N. J.....	2XAM	R. C. A., 233 Broadway, New York, N. Y.
New Haven, Conn.....	1XH	Yale University.
New Orleans, La.....	5XAO	L. J. N. du Treil, 480 Audubon Street.
Do.....	5XH	Tropical Radio Telegraph Co.
Do.....	5XM	Electron Engineering Co., 1115 Whitney Central Building.
Do.....	5XQ	Pendleton E. Lehde, 1715 Valence Street.
Do.....	5YC	Nola Radio School.
Do.....	5YR	Loyola University.
Do.....	5YU	Tulane University.
Do.....	5ZAP	Valdemar Jensen and Harry L. Egle, 137 South St. Patrick Street.
Do.....	5ZBE	Interstate Electric Co.
New Philadelphia, Ohio.....	8ZA	Charles J. Murray, 256 North Fifth Street.
New Rochelle, N. Y.....	2ZK	George C. Cannon, 183 Drake Avenue.
Newton, Mass.....	1XK	Boston College.
New York, N. Y.....	2XAL	International News Service, 21 Spruce Street.
Do.....	2XAT	Donald J. Pierl, 154 East One hundred seventy-fifth Street.
New York, N. Y....(portable).....	2XAV	Western Electric Co., 195 Broadway.
New York, N. Y.....	2XAW	Ship Owners Radi Service, 80 Washington Street.
Do.....	2XAX	Western Electric Co., 463 West Street.
Do.....	2XB	Ware Radio Co., 160 Duane Street.
Do.....	2XC	De Forest Radio Telephone & Telegraph Co.
Do.....	2XG	Cockaday & Quinby, 1522 Jesup Avenue.
Do.....	2XK	Columbia University.
Do.....	2XM	College of the City of New York.
Do.....	2XN	City College Radio Club.
Do.....	2XNA	Townsend Harris Hall Radio Club.
Do.....	2XNB	Walter G. Hudson.
Do.....	2XO	R. C. A.
Do.....	2XR	American Radio News Corporation, 21 Spruce Street.
Do.....	2XU	American Telephone & Telegraph Co., 24 Walker Street.
Do.....	2XY	Fordham University.
Do.....	2XZ	East Side Y. M. C. A.
Do.....	2YM	National Amateur Wireless Association.
Do.....	2ZG	University of Oklahoma.
Do.....	5XW	Maurice L. Prescott.
Noroton Heights, Conn.....	5ZG	Percival E. Fansler.
Norristown, Pa.....	1XAA	Samuel W. Place, 622 Strawbridge Street.
Northfield, Minn.....	3ZV	St. Olaf College.
Northfield, Vt.....	9YAJ	Norwich University.
North Little Rock, Ark.....	1YD	Hobart J. Bell, 1501 Main Street.
Northville, Mich.....	5ZR	Ford Motor Co.
Oakland, Calif.....	8XL	Radio Specialty Shop.
Do.....	6XA	Preston D. Allen, Hotel Oakland.
Do.....	6XAJ	Warner Brothers, 2201 Telegraph Avenue.
Do.....	6XAM	Great Western Radio Corporation, 19 Mirna Street, San Francisco, Calif.
Do.....	6XAR	Richard C. Tavers and H. D. de la Montanya, 2830 Eleventh Avenue.
Do.....	6XW	R. S. Rheem, 478 Orchard Street.
Oberlin, Ohio.....	6ZI	Oberlin College.
Ogden, Utah.....	8YAE	W. G. Garner, 2264 Lincoln Avenue.
Oklahoma, Okla.....	6ZAM	Roswell B. Downing.
Do.....	5XAF	National Radio Mfg. Co.
Do.....	5XG	E. C. Hull & H. S. Richards, 1911 West Ash Street.
Do.....	5XT	Lowrin G. Dill, 112 West Fifth Street.
Do.....	5ZAT	Le Roy Moffett, jr., 312½ North Broadway.
Do.....	5ZAV	Central High School.
Omaha, Nebr.....	9XAR	Technical High School (Board of Education).
Do.....	9YF	

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station controlled by—
Orange, Tex.	5XAD	Gray & Gray.
Orono, Me.	1XAII	University of Maine.
Ossining, N. Y.	2XX	Robert F. Gowen.
Palo Alto, Calif.	6XV	Federal Telegraph Co., 812 Hobart Building, San Francisco, Calif.
Parkesburg, Pa.	3XW	Horace A. Beale, jr.
Do.	3ZO	Do.
Pasadena, Calif.	6XI	Samuel G. McMeen, 683 South Los Robles Avenue.
Do.	6ZAA	E. Garratt Arnold, 647 North Madison Avenue.
Pawtucket, R. I.	1XAID	Standard Radio & Electric Co.
Philadelphia, Pa.	3XA	Howard R. Miller, 6318 North Park Avenue.
Do.	3XAI	Roberts Brothers Electric Co.
Do.	3XB	Philadelphia Electric Co. (W. C. Eglin).
Do.	3XC	Frank B. Chambers, 6046 Arch Street.
Do.	3XJ	St. Joseph's College.
Do.	3XK	Frederick Strattner, 1638 North Redfield Street.
Do.	3XS	George W. Carns, 1134 South Fifty-sixth Street.
Do.	3XV	Thomas Appleby, 5847 Ellsworth Street.
Do.	3YC	North East High School.
Do.	3YF	Pennsylvania-Marconi Wireless School.
Do.	3YG	Philadelphia School of Wireless Telegraphy.
Do.	3YI	Knights of Columbus School.
Do.	3ZAC	Edwin M. Hartley.
Do.	3ZG	Allyn E. Seuffert, 3936 Locust Street.
Do.	3ZN	Harold A. Hogan, 2105 West Tioga Street.
Do.	3ZQ	Stanley C. Bryce, 1942 North Thirteenth Street.
Piedmont, Calif.	6XAII	G. M. Best, 109 Greenbank Avenue.
Pilot Point, Tex.	5ZB	Clyde S. Mosteller.
Pine Bluff, Ark.	5XAI	Pine Bluff Co.
Pittsburgh, Pa.	8XK	Frank Conrad, 7712 Pennsylvania Avenue.
Do.	8XV	Frederick S. McCullough, 1807 Montier Street, Wilkinsburg, Pa.
Do.	8XX	Duquesne University.
Do.	8XY	West Penn Power Co.
Do.	8YZ	Peabody High School.
Do.	8ZAE	Burton P. Williams, 3220 Orleans Street.
Plainview, Tex.	8ZD	Parker Elliott Wiggin & F. B. Westervelt.
Polytechnic, Mont.	5XAII	James G. McInnish.
Do.	7YI	Billings Polytechnic Institute.
Ponca City, Okla.	7ZU	Glen E. West.
Port Arthur, Tex.	5ZQ	William H. England, jr.
Port Jefferson, N. Y.	5XV	Louis W. Hatry, 2048 Fifth Street.
Portland, Ore.	2XS	R. C. A., 233 Broadway, New York, N. Y.
Do.	7XF	Northwestern Radio Mfg. Co.
Princeton, N. J.	7XI	Hallcock & Watson Radio Service.
Providence, R. I.	7XL	Northwestern Electric Co.
Provo, Utah.	7YY	Oregon Institute of Technology (Y. M. C. A.).
Pullman, Wash.	7YK	Benson Tech Radio Club, Twelfth and Hoyt Streets.
Do.	7YN	Franklin High School.
Rainbow, Mont. (Great Falls)	7ZB	William A. Leidigh, jr., 555 East Forty-fourth Street north.
Raleigh, N. C.	7ZR	Walter V. Russ, 831 Michigan Avenue.
Rapid City, S. Dak.	7ZM	Princeton University Radio Club.
Reading, Pa.	7ZS	Brown University.
Redlands, Calif.	7XO	Brigham Young University.
Do.	4YC	State College of Washington.
Reedley, Calif.	9YW	Hugh E. Allen, 701 State Street.
Do.	6XAV	Great Falls Power Co.
Reno, Nev.	6ZF	North Carolina State College.
Richmond, Va.	6ZO	South Dakota State School of Mines.
Richmond Hill, N. Y.	3ZP	Donald B. Heilman, 54 South Sixth Street.
Do.	2XE	University of Redlands.
Rochester, N. Y.	2ZV	Arthur L. Munzig.
Do.	8XAII	W. W. Lindsay, jr., P. O. Box 643.
Rockford, Ill.	8XQ	Do.
Rolla, Mo.	9XF	Hadley S. Beedle, 604 Elko Avenue.
Roswell, N. Mex.	9YN	Ralph R. Chappell and Wayne R. Deavers, 1815A West Main Street.
Do.	5ZA	A. H. Grebe & Co.
Rushville, Nebr.	5ZAO	Do.
St. Davids, Pa.	9YAT	Victor G. Martin (Eastman School of Music).
St. Louis, Mo.	3ZS	Rochester Gas & Electric Corporation.
Do.	9XR	A. V. Tronske, 2920 West State Street.
Do.	9YAB	Missouri School of Mines and Metallurgy.
Do.	9YK	Louis Falconi.
Do.	9ZB	Roswell Public Service Co.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station controlled by—
St. Petersburg, Fla.....	4ZH	E. Richard Hall, 2801 Central Avenue.
Salem, Ohio.....	8ZG	A. J. Manning, 252 McKinley Avenue.
Salt Lake City, Utah (airplane).....	6XBE	Art Johnson, P. O. Box 772,
Salt Lake City, Utah.....	6XBG	H. C. Wilson (Deseret News).
Do.....	6ZA	Ira Johnston Kaar, 243 East Seventh South Street.
Do.....	6ZM	H. C. Wilson (Deseret News).
Do.....	6ZT	Art Johnson, P. O. Box 772.
Do.....	6ZV	Julian G. McCollom, 1922 South Tenth East Street.
San Antonio, Tex.....	5XP	Earl M. Baker, St. Anthony Hotel.
Do.....	5XY	Alamo Radio Electric Co.
Do.....	5ZAE	Leavell D. Wall, 216 Pereida Street.
Do.....	5ZAK	R. C. Walken, Camp Travis, Tex.
San Diego, Calif.....	6XAI	W. K. Azbill, 5038 Cliff Place.
San Diego, Calif. (portable).....	6XN	Dr. Alfred E. Banks, Timken Building.
San Diego, Calif.....	6XZ	Dr. R. O. Shelton, 3443 Fifth Street.
Do.....	6ZB	Dr. Alfred E. Banks, Timken Building.
Sand Springs, Okla.....	5XB F	Halton H. Friend, Box 556.
San Fernando, Calif.....	6ZN	B. H. Dennis & C. A. Taylor, 452 Chatsworth Drive.
San Francisco, Calif.....	6XAA	Pacific Telephone & Telegraph Co.
Do.....	6XAE	The Radio Telephone Shop.
Do.....	6XB	Mercantile Trust Co.
Do.....	6XBB	Ralph M. Heintz, 606 Mission Street.
Do.....	6XC	Atlantic Pacific Radio Supplies Co.
Do.....	6XG	Leo J. Meyberg Co.
Do.....	6XX	R. C. A., 433 California Street.
Do.....	6ZE	D. B. McGown, 1247 Forty-seventh Avenue.
San Gabriel, Calif.....	6XS	R. B. Ashbrook, Rose Road and Mission Drive.
San Jose, Calif. (portable).....	6XE	Charles D. Herrold, 467 South First Street.
San Jose, Calif.....	6XF	Do.
San Marcos, Tex.....	5YT	San Marcos High School (E. W. Kee).
San Ysidro, Calif.....	6ZH	Lester Picker.
Savannah, Ga.....	4YB	Knights of Columbus.
Schenectady, N. Y.....	2XA	E. M. Kinney, 212 Parkwood Boulevard.
Do.....	2XA E	Wallace L. Brooks, care of General Electric Co.
Do.....	2XI	General Electric Co.
Do.....	2XQ	Union College.
Scranton, Pa.....	8X AX	Radio Sales Corp.
Seattle, Wash.....	7XC	Vincent I. Kraft.
Do.....	7XE	R. C. A., 233 Broadway, New York, N. Y
Do.....	7XJ	Charles W. Peterson.
Do.....	7XK	Kilbourne & Clark Mfg. Co.
Do.....	7XR	Louis Wasmer, 419 Thirteenth street north.
Do.....	7XS	Brott Laboratories, 2048b Forty-second Avenue north.
Do.....	7XU	Rhodes Co., 1321 Second Avenue.
Do.....	7XZ	University of Washington.
Do.....	7YC	Y. M. C. A.
Shreveport, La.....	5ZS	Lincoln High School.
Sioux City, Iowa.....	9ZU	William E. Antony, 1513 Laurel Street.
South Manchester, Conn.....	1XAM	Sioux City Radio Laboratory.
South Orange, N. J.....	2ZC	John L. Reinhartz, 371 Hartford Road.
Spirit Lake, Wash.....	7YR	Henry L. Leeb.
Spokane, Wash.....	7YL	Y. M. C. A. (Boy's Division).
Springfield, Mass.....	1XAE	North Central High School.
Springfield, Ohio.....	8XAK	Westinghouse Electric & Mfg. Co.
Do.....	8ZAA	Wittenberg College.
Stanford University, Calif.....	6XH	J. Warren Wright, 1119 South Fountain Avenue.
Stanleton, N. Y.....	2XAC	Herbert Hoover, Jr.
Do.....	2ZD	Ship Owners Radio Service, 80 Washington Street, New York, N. Y.
State College, N. Mex.....	5XD	Do.
State College, Pa.....	8XE	New Mexico College Agriculture and Mechanic Arts.
Staunton, Va.....	3YE	Pennsylvania State College.
Stockbridge, Mass.....	1XU	Staunton Military Academy.
Stockton, Calif.....	6XAL	Thomas S. L. Kletcha.
Sunnyvale, Calif.....	6XAG	Paul Oard, 1217 North East Street.
Do.....	6ZAD	Tom Lambert.
Do.....	6ZK	J. J. Maher, Jr., P. O. Box 391.
Superior, Wis.....	9YAC	Arthur E. Bessey.
Swissvale, Pa.....	8ZE	State Normal School.
Tacoma, Wash.....	7XV	Clarence T. Hewitt, 7942 Westmoreland Avenue.
Do.....	7YO	Kilbourne & Clark Mfg. Co.
Takoma Park, Md.....	3XAJ	Tacoma City College.
Tallulah Falls, Ga.....	4ZG	Bliss Electrical School.
Tampa, Fla.....	4XG	Georgia Railway & Power Co.
Do.....	4XJ	Pierce Electric Co.
Tarrytown, N. Y.....	2XL	Thompson Electric Co.
Thibodaux, La.....	5YL	Tarrytown Radio Research Laboratory.
Thompson Falls, Mont.....	7XN	Thibodaux High School.
Toledo, Ohio.....	8YAB	Thompson Falls Power Co.
Troy, N. Y.....	2XAP	Scott High School.
		Rensselaer Polytechnic Institute.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Station controlled by—
Tucson, Ariz. (portable)	6XAZ	R. D. Whitacre and L. R. Wilson, 417 East Speedway.
Tucson, Ariz.	6YB	University of Arizona.
Tulsa, Okla.	5ZBF	Tulsa Radio Co.
Underwood, Wash. (near)	7XQ	Northwestern Electric Co., Pittock Block, Portland, Oreg.
University, Miss.	5YE	University of Mississippi.
University, Va.	3XAM	University of Virginia Radio Club.
Do.	3YV	University of Virginia.
University Place, Nebr.	9YD	Nebraska Wesleyan University.
Urbana, Ill.	9XJ	University of Illinois.
Valley Stream, N. Y.	9XZ	Paul G. Busey, 1301 South Busey Avenue.
Do.	2XAQ	J. O. Smith, 3 Corona Avenue.
Valparaiso, Ind.	9XD	Dodge's Institute of Telegraphy.
Vancouver, Wash.	7ZK	Vernon J. Bird, 406 West Twelfth Street.
Vermillion, S. Dak.	9YAM	University of South Dakota.
Victoria, Tex.	5YA	Patti Wilder High School.
Villanova, Pa.	3YP	Villanova College.
Waco, Tex.	5XAK	Jackson's Radio Engineering Laboratories.
Do.	5YX	Baylor University.
Do.	5ZAF	Sanger Brothers.
Do.	5ZF	Henry M. Harris, Box 427.
Wailuku, Hawaii.	6ZAC	Clifford J. Dow, care of Maui Telephone Co.
Walnut Grove, Calif.	6ZX	Jesse V. Wise.
Washington, D. C.	3XI	Catholic University of America.
Do.	3XL	Washington Radio Laboratories (Alfred Crossley).
Do.	3XO	Central High School.
Do.	3YA	Loomis Radio School.
Do.	3YL	Knights of Columbus Service School.
Do.	3YN	National Radio Institute.
Do.	3YS	George Washington University.
Do.	3ZB	A. E. Brown (Bliss Electrical School).
Do.	3ZE	Harold A. Snow, 1656 Newton Street.
Do.	3ZH	Herbert Hoover, Jr., 2300 S Street NW.
Do.	3ZK	Capt. Livingston Swentzel, 2039 Thirty-fourth Street.
Do.	3ZW	Walter A. Parks, 1220 Jackson Street, NE.
Waterbury, Conn.	1XAJ	Bureau of Fire Alarm and Police Telegraph.
Do.	1XT	Bristol Co.
Wayne, Nebr.	9YT	State Normal School and Teachers College.
Webster, N. Y.	8XAN	Charles F. Nichols, Elm Street.
West Lafayette, Ind.	9YB	Purdue University.
Wheeling, W. Va.	8ZW	John C. Stroebel, Jr. and Earl W. Weimer, 42 Poplar Avenue.
White Sulphur Springs, W. Va.	8XP	General Electric Co., Schenectady, N. Y.
Wichita Falls, Tex.	5ZBC	Lundy L. Zeigler, 2007 Huff Avenue.
Wilkes-Barre, Pa.	8ZS	John H. Stenger, Jr., 66 Gildersleeve Street.
Winfield, N. Y.	2XP	Louis G. Pacent, Meyers Avenue and Queens Boulevard.
Winter Park, Fla.	4XK	C. J. Holdorf.
Winthrop, Mass.	1XQ	Lloyd C. Greene, 88 Somerset Avenue.
Wooster, Ohio.	8YAH	College of Wooster.
Worcester, Mass.	1XS	Otis C. White, 17 Herman Street.
Do.	1XZ	Clark University.
Do.	1YK	Worcester Polytechnic Institute.
Yankton, S. Dak.	9YAK	Yankton College.
Yellow Springs, Ohio.	8YY	Antioch College.
Yonkers, N. Y.	2ZS	Carman R. Runyon, Jr., 544 North Broadway.

57078°—23—8

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
	First district:		Second district—Continued.
1XA	Brookline, Mass.	2XL	Tarrytown, N. Y.
1XAA	Noroton Heights, Conn.	2XM	New York, N. Y.
1XB	Cambridge, Mass.	2XX	Do.
1XAD	Pawtucket, R. I.	2XXNA	Do.
1XAE	Springfield, Mass.	2XXNB	Do.
1XAF	Boston, Mass.	2XO	Do.
1XAG	Boston (portable).	2XP	Winfield, N. Y.
1XAH	Orono, Me.	2XQ	Schenectady, N. Y.
1XAI	Amston, Conn.	2XR	New York, N. Y.
1XAJ	Watervliet, Conn.	2XS	Port Jefferson, N. Y.
1XAK	Glenbrook, Conn.	2XT	Brooklyn, N. Y.
1XAL	Marion, Mass.	2XU	New York, N. Y.
1XAM	South Manchester, Conn.	2XX	Ossining, N. Y.
1XAN	Dartmouth, Mass.	2XY	New York, N. Y.
1XAO	Belfast, Me.	2XZ	Do.
1XAP	Do.	2YM	Do.
1XB	Greenwich, Conn.	2ZC	South Orange, N. J.
1XD	Green Harbor, Mass.	2ZD	Stapleton, N. Y.
1XE	Medford Hillside, Mass.	2ZG	New York, N. Y.
1XG	Bangor, Me.	2ZK	New Rochelle, N. Y.
1XH	New Haven, Conn.	2ZL	Valley Stream, N. Y.
1XI	Gloucester, Mass.	2ZS	Yonkers, N. Y.
1XJ	Cambridge, Mass.	2ZV	Richmond Hill, N. Y.
1XK	Newton, Mass.	3XA	Philadelphia, Pa.
1XL	Lynn, Mass.	3XAB	Charlottesville, Va.
1XM	Cambridge, Mass.	3XAH	Reading, Pa.
1XN	Middletown, Conn.	3XAI	Philadelphia, Pa.
1XO	Cambridge, Mass.	3XAJ	Takoma Park, Md.
1XP	Athol, Mass.	3XAM	University, Va.
1XQ	Winthrop, Mass.	3XB	Philadelphia, Pa.
1XS	Worcester, Mass.	3XC	Do.
1XT	Waterbury, Conn.	3XD	Cherrydale, Va.
1XU	Stockbridge, Mass.	3XG	Baltimore, Md.
1XV	Dartmouth, Mass.	3XH	Washington, D. C.
1XX	Providence, R. I.	3XI	Philadelphia, Pa.
1XZ	Worcester, Mass.	3XJ	Do.
1YB	Hanover, N. H.	3XK	Washington, D. C.
1YC	Boston, Mass.	3XL	Princeton, N. J.
1YD	Northfield, Vt.	3XM	Blacksburg, Va.
1YK	Worcester, Mass.	3XN	Washington, D. C.
1YS	Boston, Mass.	3XO	Delanco, N. J.
1ZA	Brunswick, Me.	3XP	Hyattsville, Md.
1ZE	Marion, Mass.	3XR	Philadelphia, Pa.
	Second district:	3XS	Do.
2XA	Schenectady, N. Y.	3XV	Parkersburg, Pa.
2XAC	Stapleton, N. Y.	3XW	Baltimore, Md.
2XAE	Schenectady, N. Y.	3XX	Washington, D. C.
2XAI	Newark, N. J.	3YA	Philadelphia, Pa.
2XAK	Do.	3YC	Staunton, Va.
2XAL	New York, N. Y.	3YE	Philadelphia, Pa.
2XAM	New Brunswick, N. J.	3YF	Do.
2XAN	Great Neck, N. Y.	3YG	Baltimore, Md.
2XAO	Belmar, N. J.	3YH	Philadelphia, Pa.
2XAP	Troy, N. Y.	3YI	Philadelphia, Pa.
2XAQ	Valley Stream, N. Y.	3YK	Lexington, Va.
2XAR	Newark, N. J.	3YL	Washington, D. C.
2XAT	New York, N. Y.	3YN	Do.
2XAU	Eatontown, N. J.	3YO	Easton, Pa.
2XAV	New York, N. Y. (portable).	3YP	Villanova, Pa.
2XAW	New York, N. Y.	3YQ	Camden, N. J.
2XAX	Do.	3YR	Baltimore, Md.
2XAY	Metuchen, N. J.	3YS	Washington, D. C.
2XB	New York, N. Y.	3YV	University, Va.
2XC	Do.	3ZA	Bala, Pa.
2XD	Hoboken, N. J.	3ZAA	Buena Vista, Va.
2XE	Richmond Hill, N. Y.	3ZAC	Philadelphia, Pa.
2XF	Cliffwood, N. J.	3ZB	Washington, D. C.
2XG	New York, N. Y.	3ZD	Camp Hill, Pa.
2XI	Schenectady, N. Y.	3ZE	Washington, D. C.
2XJ	Deal Beach, N. J.	3ZF	Friendship Heights, Md.
2XK	New York, N. Y.	3ZG	Philadelphia, Pa.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
3ZH	Third district—Continued. Washington, D. C.	5YA	Fifth district—Continued. Victoria, Tex.
3ZK	Do.	5YC	New Orleans, La.
3ZM	Media, Pa.	5YD	Agricultural College, Miss.
3ZN	Philadelphia, Pa.	5YE	University, Miss.
3ZO	Parkeburg, Pa.	5YG	Houston, Tex.
3ZP	Richmond, Va.	5YK	New Braunfels, Tex.
3ZQ	Philadelphia, Pa.	5YL	Thibodaux, La.
3ZS	St. David's, Pa.	5YM	Fayetteville, Ark.
3ZU	Baltimore, Md.	5YN	Abilene, Tex.
3ZV	Norristown, Pa.	5YQ	Albuquerque, N. Mex.
3ZW	Washington, D. C.	5YR	New Orleans, La.
3ZX	Lexington, Va.	5YS	Fort Worth, Tex.
3ZZ	Cradock, Va.	5YT	San Marcos, Tex.
4XA	Fourth district: Atlanta, Ga.	5YU	New Orleans, La.
4XC	Do.	5YV	Fort Worth, Tex.
4XD	Charlotte, N. C.	5YW	Baton Rouge, La.
4XG	Tampa, Fla.	5YX	Waco, Tex.
4XH	Atlanta, Ga.	5ZA	Roswell, N. Mex.
4XI	Do.	5ZAB	Houma, La.
4XJ	Tampa, Fla.	5ZAC	Baton Rouge, La.
4XK	Winter Park, Fla.	5ZAD	El Paso, Tex.
4XL	Macon, Ga.	5ZAE	San Antonio, Tex.
4XN	Atlanta, Ga.	5ZAF	Waco, Tex.
4XO	College Park, Ga.	5ZAG	Austin, Tex.
4XP	Key West, Fla.	5ZAH	Fort Worth, Tex.
4YA	Atlanta, Ga.	5ZAI	Beeville, Tex.
4YB	Savannah, Ga.	5ZAJ	Kountze, Tex.
4YC	Raleigh, N. C.	5ZAK	San Antonio, Tex.
4YD	Atlanta, Ga.	5ZAL	Enid, Okla.
4ZB	Do.	5ZAM	Commerce, Tex.
4ZE	Jacksonville, Fla.	5ZAN	Laredo, Tex.
4ZF	Decatur, Ga.	5ZAO	Roswell, N. Mex.
4ZG	Tallulah Falls, Ga.	5ZAP	New Orleans, La.
4ZH	St. Petersburg, Fla.	5ZAQ	Dallas, Tex.
4ZI	Asheville, N. C.	5ZAR	El Paso, Tex.
4ZJ	Fort Lauderdale, Fla.	5ZAS	Birmingham, Ala.
5XA	Fifth district: Auburn, Ala.	5ZAT	Oklahoma, Okla.
5XAA	Houston, Tex.	5ZAU	Bay St. Louis, Miss.
5XAB	Little Rock, Ark.	5ZAV	Oklahoma, Okla.
5XAC	Conway, Ark.	5ZAW	Dallas, Tex.
5XAD	Orange, Tex.	5ZAX	Abilene, Tex.
5XAE	Mobile, Ala.	5ZAY	Dallas, Tex.
5XAF	Oklahoma, Okla.	5ZAZ	Fayetteville, Ark.
5XAH	Plainview, Tex.	5ZB	Memphis, Tenn.
5XAI	Pine Bluff, Ark.	5ZBA	Do.
5XAJ	Dublin, Tex.	5ZBB	El Paso, Tex.
5XAK	Waco, Tex.	5ZBC	Wichita Falls, Tex.
5XAM	Albuquerque, N. Mex.	5ZBD	Mobile, Ala.
5XAN	Houston, Tex.	5ZBF	New Orleans, La.
5XAO	New Orleans, La.	5ZC	Tulsa, Okla.
5XAP	Fort Worth, Tex.	5ZD	Dallas, Tex.
5XB	College Station, Tex.	5ZE	Alexandria, La.
5XBA	Montgomery, Ala.	5ZF	Houston, Tex.
5XBB	Houston, Tex.	5ZG	Waco, Tex.
5XBC	Dallas, Tex.	5ZH	Norman, Okla.
5XBD	Enid, Okla.	5ZJ	Amarillo, Tex.
5XBE	Knoxville, Tenn.	5ZK	Mesilla Park, N. Mex.
5XBF	Sand Springs, Okla.	5ZL	Franklinton, La.
5XC	Birmingham, Ala.	5ZM	Little Rock, Ark.
5XD	State College, N. Mex.	5ZN	Enid, Okla.
5XE	Burrwood, La.	5ZO	Eagle Pass, Tex.
5XF	Brownwood, Tex.	5ZP	Houston, Tex.
5XG	Oklahoma, Okla.	5ZQ	College Station, Tex.
5XH	New Orleans, La.	5ZR	Ponca City, Okla.
5XJ	Dublin, Tex.	5ZS	North Little Rock, Ark.
5KK	Knoxville, Tenn.	5ZT	Shreveport, La.
5XM	New Orleans, La.	5ZU	Houston, Tex.
5XN	Houston, Tex.	5ZV	Austin, Tex.
5XO	Do.	5ZW	Houston, Tex.
5XP	San Antonio, Tex.	5ZX	Julif, Tex.
5XQ	New Orleans, La.	5ZY	Houston, Tex.
5XT	Oklahoma, Okla.	5ZZ	Fort Worth, Tex.
5XU	Austin, Tex.	6XA	Blackwell, Okla.
5XV	Port Arthur, Tex.	6XAA	Sixth district: Oakland, Calif.
5XW	Norman, Okla.	6XAD	San Francisco, Calif.
5XY	San Antonio, Tex.	6XAE	Avalon, Calif.
5XX	Austin, Tex.	6XAG	San Francisco, Calif.
5XZ	Grand Coteau, La.	6XAH	Sunnyvale, Calif.
			Los Angeles, Calif.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	Sixth district—Continued.		Seventh district:
6XAI	San Diego, Calif.	7XB	Bozeman, Mont.
6XAJ	Oakland, Calif.	7XC	Seattle, Wash.
6XAK	Los Angeles, Calif.	7XE	Do.
6XAL	Stockton, Calif.	7XF	Portland, Oreg.
6XAM	Oakland, Calif.	7XH	Corvallis, Oreg.
6XAN	Fullerton, Calif.	7XI	Portland, Oreg.
6XAO	Piedmont, Calif.	7XJ	Seattle, Wash.
6XAP	Honolulu, Hawaii	7XK	Do.
6XAQ	Los Angeles, Calif.	7XL	Portland, Oreg.
6XAR	Oakland, Calif.	7XM	Butte, Mont.
6XAS	Los Angeles, Calif.	7XN	Thompson Falls, Mont.
6XAT	Eagle Rock, Calif.	7XO	Rainbow, Mont. (near Great Falls).
6XAV	Reedley, Calif.	7XQ	Underwood, Wash. (near).
6XAW	Los Angeles, Calif.	7XR	Seattle, Wash.
6XAX	El Monte, Calif.	7XS	Do.
6XAY	Berkeley, Calif.	7XU	Do.
6XAZ	Tucson, Ariz. (portable).	7XV	Tacoma, Wash.
6XB	San Francisco, Calif.	7XW	Pullman, Wash.
6XBA	Los Angeles, Calif.	7XZ	Seattle, Wash.
6XBB	San Francisco, Calif.	7YA	Boise, Idaho.
6XBC	Los Angeles, Calif.	7YB	Eugene, Oreg.
6XBD	Los Angeles, Calif. (portable).	7YC	Seattle, Wash.
6XBE	Salt Lake City, Utah (airplane).	7YG	Portland, Oreg.
6XBF	Altadena, Calif.	7YI	Polytechnic, Mont.
6XBG	Salt Lake City, Utah.	7YJ	Corvallis, Oreg.
6XBH	Clifton, Ariz.	7YK	Portland, Oreg.
6XC	San Francisco, Calif.	7YL	Spokane, Wash.
6XD	Los Angeles, Calif.	7YM	Seattle, Wash.
6XE	San Jose, Calif. (portable).	7YN	Portland, Oreg.
6XF	San Jose, Calif.	7YO	Tacoma, Wash.
6XG	San Francisco, Calif.	7YQ	Enumclaw, Wash.
6XH	Stanford University, Calif.	7YR	Spirit Lake, Wash.
6XI	Pasadena, Calif.	7YS	Lacey, Wash.
6XJ	Los Angeles, Calif.	7ZA	Hood River, Oreg.
6XK	Do.	7ZB	Portland, Oreg.
6XL	Do.	7ZC	Helena, Mont.
6XM	Berkeley, Calif.	7ZD	Greybull, Wyo.
6XN	San Diego, Calif. (portable).	7ZE	Elk, Wyo.
6XO	Los Angeles, Calif.	7ZF	Butte, Mont.
6XR	Altadena, Calif.	7ZG	Douglas, Mont.
6XS	San Gabriel, Cal f.	7ZH	Enterprise, Oreg.
6XT	Los Angeles, Calif.	7ZI	Boise, Idaho.
6XU	Fresno, Calif.	7ZK	Vancouver, Wash.
6XV	Palo Alto, Calif.	7ZL	Bozeman, Mont.
6XW	Oakland, Calif.	7ZM	Moscow, Idaho.
6XX	San Francisco, Calif.	7ZN	Boise, Idaho.
6XY	Los Angeles, Calif.	7ZO	Casper, Wyo.
6XZ	San Diego, Calif.	7ZQ	Helena, Mont.
6YA	Los Angeles, Calif.	7ZR	Portland, Oreg.
6YB	Tucson, Ariz.	7ZS	Pullman, Wash.
6YC	Redlands, Calif.	7ZU	Polytechnic, Mont.
6YD	Provo, Utah.	7ZV	Douglas, Wyo.
6ZA	Salt Lake City, Utah.		Eighth district:
6ZAA	Pasadena, Calif.	8XA	Ann Arbor, Mich.
6ZAC	Wailuku, Hawaii.	8XAD	Buffalo, N. Y.
6ZAD	Sunnyvale, Calif.	8XAE	Mount Clemens, Mich.
6ZAL	Eagle Rock, Calif.	8XAF	Highland Park, Mich.
6ZAM	Odgen, Utah.	8XAG	Hamilton, Ohio.
6ZAO	Los Angeles, Calif.	8XAH	Cincinnati, Ohio.
6ZB	San Diego, Calif.	8XAJ	Do.
6ZC	Cochise, Ariz.	8XAK	Springfield, Ohio.
6ZD	Berkeley, Calif.	8XAM	Binghamton, N. Y.
6ZE	San Francisco, Calif.	8XAN	Webster, N. Y.
6ZF	Reedley, Calif.	8XAO	Rochester, N. Y.
6ZG	Los Angeles, Calif.	8XAP	Connellsville, Pa.
6ZH	San Ysidro, Calif.	8XAQ	Connellsville, Pa. (portable).
6ZI	Oakland, Calif.	8XAR	Detroit, Mich.
6ZJ	Redlands, Calif.	8XAS	Grosse Point Farms, Mich.
6ZK	Sunnyvale, Calif.	8XAT	Columbus, Ohio.
6ZM	Salt Lake City, Utah.	8XAV	Baldwinsville, N. Y.
6ZN	San Fernando, Calif.	8XAX	Scranton, Pa.
6ZO	Reno, Nev.	8XAX	Cincinnati, Ohio.
6ZQ	Berkeley, Calif.	8XB	Dearborn, Mich.
6ZR	Los Angeles, Calif.	8XD	State College, Pa.
6ZS	Do.	8XE	Kalamazoo, Mich.
6ZT	Salt Lake City, Utah.	8XF	Cazenovia, N. Y.
6ZV	Do.	8XH	Columbus, Ohio.
6ZW	Avalon, Calif.	8XJ	Pittsburgh, Pa.
6ZX	Walnut Grove, Calif.	8XK	Northville, Mich.
6ZY	Honolulu, Hawaii	8XL	
6ZZ	Douglas, Ariz.		

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
8XM	Eighth district—Continued. Cleveland, Ohio.	9XB	Ninth district—Continued. Chicago, Ill. (portable).
8XN	Lewisburg, Pa.	9XC	Colorado Springs, Colo.
8XO	Cleveland, Ohio.	9XD	Valparaiso, Ind.
8XP	White Sulphur Springs, W. Va.	9XE	Davenport, Iowa.
8XQ	Rochester, N. Y.	9XF	Rockford, Ill.
8XR	Columbus, Ohio.	9XG	Chicago, Ill.
8XS	East Pittsburgh, Pa.	9XH	Fort Wayne, Ind.
8XT	Cincinnati, Ohio.	9XI	Minneapolis, Minn.
8XU	Ithaca, N. Y.	9XJ	Urbana, Ill.
8XV	Pittsburgh, Pa.	9XK	Kansas City, Mo.
8XX	Do.	9XM	Madison, Wis.
8XY	Do.	9XN	Chicago, Ill.
8XZ	Detroit, Mich.	9XO	Do.
8YA	Auburn, N. Y.	9XP	El Dorado, Kans.
8YAA	Marietta, Ohio.	9XR	St. Louis, Mo.
8YAB	Toledo, Ohio.	9XT	Collegeville, Minn.
8YAC	Cincinnati, Ohio.	9XU	Chicago, Ill.
8YAD	Do.	9XY	Do.
8YAE	Oberlin, Ohio.	9XZ	Urbana, Ill.
8YAF	Detroit, Mich.	9YA	Iowa City, Iowa.
8YAG	Beatty, Pa.	9YAA	Emporia, Kans.
8YAH	Wooster, Ohio.	9YAB	St. Louis, Mo.
8YD	East Cleveland, Ohio.	9YAC	Superior, Wis.
8YE	Morgantown, W. Va.	9YAE	Le Mars, Iowa.
8YH	Do.	9YAG	Bloomington, Ind.
8YK	Delaware, Ohio.	9YAH	Gunnison, Colo.
8YL	Cleveland, Ohio.	9YAJ	Northfield, Minn.
8YM	Granville, Ohio.	9YAK	Yankton, S. Dak.
8YN	Battle Creek, Mich.	9YAM	Vermillion, S. Dak.
8YP	Buffalo, N. Y.	9YAO	Des Moines, Iowa.
8YS	Cincinnati, Ohio.	9YAP	Davenport, Iowa.
8YT	Alliance, Ohio.	9YAQ	Cape Girardeau, Mo.
8YU	Dayton, Ohio.	9YAR	Appleton, Wis.
8YV	Grove City, Pa.	9YAT	Rushville, Nebr.
8YW	Detroit, Mich.	9YB	West Lafayette, Ind.
8YX	Cincinnati, Ohio.	9YC	Lexington, Ky.
8YY	Yellow Springs, Ohio.	9YD	University Place, Nebr.
8YZ	Pittsburgh, Pa.	9YG	Agricultural College, N. Dak.
8ZA	New Philadelphia, Ohio.	9YH	Evanston, Ill.
8ZAA	Springfield, Ohio.	9YI	Ames, Iowa.
8ZAC	Barnsville, Ohio.	9YJ	Greencastle, Ind.
8ZAD	Mayville, N. Y.	9YK	St. Louis, Mo.
8ZAE	Pittsburgh, Pa.	9YL	Chicago, Ill.
8ZAF	Columbus, Ohio.	9YM	Columbia, Mo.
8ZAG	Grand Rapids, Mich.	9YN	Rolla, Mo.
8ZD	Pittsburgh, Pa.	9YO	Lamoni, Iowa.
8ZE	Swissvale, Pa.	9YP	Omaha, Nebr.
8ZF	Lansing, Mich.	9YQ	Culver, Ind.
8ZG	Salem, Ohio.	9YR	Fulton, Mo.
8ZH	Cincinnati, Ohio.	9YS	Bloomington, Ill.
8ZN	Ashland, Ohio.	9YT	Wayne, Nebr.
8ZO	Marietta, Ohio.	9YU	Crete, Nebr.
8ZP	Cleveland, Ohio.	9YV	Manhattan, Kans.
8ZQ	Dunmore, Pa.	9YW	Rapid City, S. Dak.
8ZS	Wilkes-Barre, Pa.	9YY	Minneapolis, Minn.
8ZU	Mansfield, Ohio.	9ZA	Lincoln, Nebr.
8ZV	Canton, Ohio.	9ZAA	Dubuque, Iowa.
8ZW	Wheeling, W. Va.	9ZAC	Clarinda, Iowa.
8ZX	Dover, Ohio.	9ZAF	Anthony, Kans.
8ZY	Defiance, Ohio.	9ZB	Denver, Colo.
8ZZ	Highland Park, Mich.	9ZC	St. Louis, Mo.
9XA	Monroe, Wis.	9ZG	Baudette, Minn.
9XAB	Kansas City, Mo.	9ZI	Elgin, Ill.
9XAC	Davenport, Iowa.	9ZL	Lexington, Ky.
9XAG	Denver, Colo.	9ZN	Neenah, Wis.
9XAI	Golden, Colo.	9ZT	Chicago, Ill.
9XAQ	Boulder, Colo.	9ZU	Minneapolis, Minn.
9XAR	Omaha, Nebr.	9ZX	Sioux City, Iowa.
9XAS	Mayville, N. Dak.	9ZY	Ellendale, N. Dak.
	Ninth district:		La Crosse, Wis.

## RADIO FOG SIGNALS.

The following radio fog signals are operated by the United States Lighthouse Service:

FIRE ISLAND LIGHT VESSEL., N. Y. (lat. $40^{\circ} 28' 40''$ N., long. $73^{\circ} 11' 26''$ W.)—
Groups of two dashes for.... 25 seconds.
Silent..... 25 seconds.
AMBROSE CHANNEL LIGHT VESSEL, N. J. (lat. $40^{\circ} 27' 59''$ N., long. $73^{\circ} 50' 02''$ W.)—
Single dashes for..... 20 seconds.
Silent..... 20 seconds.
SEA GIRT LIGHT STATION, N. J. (lat. $40^{\circ} 08' 12''$ N., long. $74^{\circ} 01' 40''$ W.)—
Groups of three dashes for... 30 seconds.
Silent..... 3 minutes.
CAPE HENRY LIGHT STATION, VA. (lat. $36^{\circ} 55' 35''$ N., long. $76^{\circ} 00' 27''$ W.)—
Group of two dots followed by one dash for..... 20 seconds.
Silent..... 15 seconds.
DIAMOND SHOAL LIGHT VESSEL, N. C. (lat. $35^{\circ} 05' 18''$ N., long. $75^{\circ} 19' 44''$ W.)—
Groups of two dashes for.... 30 seconds.
Silent..... 30 seconds.
SAN FRANCISCO LIGHT VESSEL, CALIF. (lat. $37^{\circ} 45' 03''$ N., long. $122^{\circ} 41' 30''$ W.)—
Group of two dashes for.... 30 seconds.
Silent..... 30 seconds.
BLUNTS REEF LIGHT VESSEL, CALIF. (lat. $40^{\circ} 26' 04''$ N., long. $124^{\circ} 30' 14''$ W.)—
Single dashes for..... 30 seconds.
Silent..... 35 seconds.

These signals are operated continuously during thick or foggy weather.

The signals are sent on 1,000 meter wave.

A vessel equipped with a radio compass may determine its bearing from these stations, although they may not be visible.

The track of a radio wave is approximately a great circle; in plotting bearings, therefore, taken at a considerable distance, on a chart of the Mercator projection, it must be remembered that the line of bearing is not a straight line excepting in the meridian.

This system of obtaining bearings is the reverse of that used by the United States Navy at its radio compass stations.

## RADIO COMPASS STATIONS INSTRUCTIONS.

The Naval Communications Service will furnish radio bearings to mariners of all vessels equipped with radio telegraph transmitters. While the use of these bearings should not lead a mariner to neglect other precautions, such as the use of the lead, etc., during a fog, these bearings will greatly reduce the dangers to navigation for mariners who are compelled for any reason to proceed during foggy or misty weather. These radio compass stations are provided, primarily, to assist the mariner in closing the land during fog or poor visibility, but they may also be used to obtain the positions of vessels at sea in radio compass range, about 150 miles, when for any reason positions can not be obtained by other means.

The maximum distance for which bearings from these stations are accurate is 150 miles. But accurate positions can not be plotted when more than 50 miles from the shore on Mercator charts, for the Mercator projection introduces a distortion of the true bearing. Charts based on Gnomonic projection are essential to plot correctly long-distance radio bearings. Such charts are now under construction by the Hydrographic Office, and until they are available mariners may use the Mercator chart for long-distance bearings, applying necessary corrections, which may be obtained by various methods, one of which is fully explained on the backs of H. O. Pilot Charts of the North Atlantic Ocean for February, 1921; North Pacific Ocean for May, 1921; Indian Ocean for June, 1921; and Central American waters for March, 1921.

Radio compass stations are divided into two classes:

(a) Single stations, operating independently and furnishing a single bearing. These stations are located with the view of giving service to ships at a distance of not over 150 miles from the station.

(b) Harbor entrance groups. All stations in harbor entrance groups are connected to and controlled by the master station. All stations of the group take bearings simultaneously, and these bearings are transmitted to the ship requesting them by the control station. The purpose of these stations is to lead mariners to the light vessels off harbor entrances.

Where only one radio compass station is available, the mariner may fix his position by two or more bearings from the station with the distance run between or may use the bearing as a line of position or as a danger bearing. Or the bearing may be crossed with a line of position obtained from an observation of an astronomical body to establish a fix.

*Wave lengths.*—All independent and group radio compass stations keep watch on 800 meters. Only this wave should be used to call and work with these stations.

*Calling a radio compass station.*—To obtain a bearing from independent radio compass stations, call the station from which the bearing is desired in the usual manner and request bearings by means of the conventional signal given hereafter. Simultaneous bearings from two or more compass stations can be obtained by making the call include the other compass stations desired. To obtain bearings from the harbor entrance, compass stations carry out the procedure previously given. The compass control station only will answer.

*Conventional signals.*—The following abbreviated signals will be used:

Signal.	Meaning.
QTE.....	What is my true bearing?
QTE.....	Your true bearing is — degrees from — radio compass station.

(a) *Procedure in detail.*—A ship calling the radio compass station or compass control station should make the abbreviation "QTE," ("What is my bearing?"). This request will be answered by the radio compass station or control station, and when ready to observe the radio bearing it will send the signal "K," indicating to the ship to commence "testing"; i. e., repeating its distinguishing signal for a period of 50 seconds. The signal should be made slowly with the dashes considerably prolonged.

(b) The testing should be made on 800 meters, upon the completion of which the ship should await reply from the radio compass station.

(c) The radio compass station or control station will then reply, repeating the abbreviation "QTE," ("Your bearing from \_\_\_\_\_ was \_\_\_\_ degrees"), followed by the bearing in degrees given by a group of three figures 000 to 359, indicating the true bearing in degrees of the ship station from the radio compass station, and then the time group giving the time of observations in local standard time. In the case of more than one radio compass connected by land line only the station originally called will answer. This station will combine all the bearings taken by itself and associated station into one message, which gives each bearing observed immediately after the name of the station making the observation.

All radio compass stations transmit on 800 meters.

*Example.*—A ship (call letters KVA) desires to get bearings from the Delaware Bay entrance group (call letters NSD). The following procedure is used:

```
----- NSD NSD NSD .... . KVA KVA KVA ----- QTE
..... AR
----- KVA .... . NSD K
----- NSD .... . KVA ..... QTE ..... KVA KVA KVA
----- (making call letters KVA for 50 seconds prolonging the dashes)
----- KVA AR
----- KVA .... . NSD ..... QTE
Cape May 120, Cape Henlopen 110, Bethany Beach 085 at 0126 .... .
NSD AR
----- NSD .... . KVA ..... 120 110 085 at 0126 .... . AR
----- KVA .... . NSD R ..... NSD
```

This method is the only authorized procedure for calling, answering, and testing and should be followed exactly. Such signals as MO — V — and other test signals are not authorized for radio compass traffic. The testing period of 50 seconds should not be exceeded. Mariners who do not follow the prescribed procedure exactly occasion delay to themselves in obtaining bearing and to other mariners who may be waiting for an opportunity to use the radio compass stations.

*Danger from reciprocal bearings.*—Attention is invited to the fact that when a single bearing is furnished there is a possibility of an error of approximately 180 degrees, as the operator at the compass station can not always determine on which side of the station the vessel lies. Certain radio compass stations, particularly those on islands or extended capes, are equipped to furnish two corrected true bearings for any observation. Such bearings when furnished vessels may differ by approximately 180 degrees, and whichever bearing is suitable should be used.

*Caution.*—Mariners receiving bearings which are evidently the approximate reciprocal of the correct bearing should never attempt to correct these bearings by applying a correction of 180 degrees, as such correction would not include the correction necessary on account of deviation at the compass station. An error as large as 30 degrees may be introduced by mariners applying an arbitrary correction of 180 degrees to such bearings. Vessels receiving bearings manifestly requiring an approximate 180-degree correction should request the other bearing from the radio compass station if not previously furnished.

Bearings, except in the case of approximate reciprocal bearings, should be accurate within 2 degrees of arc provided the transmitting equipment on board vessels is tuned sharply to 800 meters. Operators should use sufficiently wide coupling to obtain low decrement. If radio transmitters are not tuned sharply, it is difficult to obtain bearings that are sufficiently accurate for navigational purposes. When bearings from three or more compass stations are not over 2 degrees of arc in error, but do not meet at a fixed point, the geometric center of the triangle formed by the bearings can generally be taken as the approximate position of the vessel.

Mariners until thoroughly familiar with the system are advised to use radio compass stations frequently, especially in clear weather, when positions of vessels can be accurately fixed in order to accustom operators to the procedure and to acquaint themselves with the degree of accuracy and dependability of bearings furnished by the radio compass stations.

*Reports.*—In order that the operation of shore radio compass stations may be checked, mariners obtaining bearings are requested to forward a brief report to the Director Naval Communications, Navy Department, Washington, D. C., containing the following particulars:

1. Name of ship.
2. Name of radio compass station.
3. Date and local standard time at which radio bearing was taken.
4. Bearing given by radio compass station.
5. Estimated position of ship at above time and dates by methods other than radio.
6. The probable degree of accuracy of the estimated position.
7. Weather conditions at above time.
8. Remarks, if any.
9. Signature of master or responsible navigating officer.

There is no charge for bearings furnished by the United States naval radio compass stations.

# RADIO COMPASS STATIONS ON ATLANTIC AND PACIFIC COASTS AND GREAT LAKES, ALPHABETICALLY BY NAMES OF STATIONS.

[Wave length of 800 meters for all compass stations.]

## ATLANTIC COAST.

Station.	Call.	Position.
Amagansett, Long Island, N. Y.	NBM	Lat. 40-58-10 N., long. 72-07-27 W.
Anacostia, D. C.	NSF	Lat. 38-51-26 N., long. 77-00-56 W.
Bar Harbor, Me.	NBD	Lat. 44-18-36 N., long. 68-11-27 W.
Bethany Beach, Del.	NSD	Lat. 38-32-45 N., long. 75-03-22 W.
Cape Elizabeth (Portland), Me.	NAB	Lat. 43-33-59 N., long. 70-11-59 W.
Cape Hatteras, N. C.	NDW	Lat. 35-14-22 N., long. 75-31-42 W.
Cape Henlopen, Del.	NSD	Lat. 38-47-35 N., long. 75-05-26 W.
Cape Lookout, N. C.	NAN	Lat. 34-36-11 N., long. 76-32-18 W.
Cape May, N. J.	NSD	Lat. 38-55-53 N., long. 74-54-35 W.
Deer Island, Mass.	NAD	Lat. 42-21-16 N., long. 70-57-29 W.
Fire Island, N. Y.	NAH	Lat. 40-38-07 N., long. 73-12-32 W.
Folly Island, S. C.	NZV	Lat. 32-41-00 N., long. 79-53-22 W.
Fourth Cliff, Mass.	NAD	Lat. 42-09-40 N., long. 70-42-22 W.
Glocester, Mass.	NAD	Lat. 42-35-19 N., long. 70-41-08 W.
Hog Island, Va.	NCZ	Lat. 37-22-36 N., long. 75-42-37 W.
Jupiter, Fla.	NAQ	Lat. 26-56-59 N., long. 80-04-57 W.
Key West, Fla.	NAR	Lat. 24-33-08 N., long. 81-45-18 W.
Lakehurst, N. J.	NEL	Lat. 40-02-15 N., long. 74-20-13 W.
Manasquan, N. J.	NAH	Lat. 40-07-05 N., long. 74-01-58 W.
North Island, S. C.	NZW	Lat. 33-13-18 N., long. 79-11-10 W.
North Truro, Mass.	NAE	Lat. 42-02-23 N., long. 70-03-37 W.
Pensacola, Fla.	NAS	Lat. 30-20-46 N., long. 87-16-54 W.
Poynters Hill, N. C.	NCZ	Lat. 36-17-16 N., long. 75-47-48 W.
Prices Neck, R. I.	NAF	Lat. 41-27-04 N., long. 71-20-16 W.
Sandy Hook, N. J.	NAH	Lat. 40-27-54 N., long. 73-59-50 W.
South Pass, La.	NBX	Lat. 29-00-43 N., long. 89-09-32 W.
Surfside (Nantucket), Mass.	NBS	Lat. 41-14-39 N., long. 70-05-53 W.
Tybee Island, Ga.	NEV	Lat. 32-00-58 N., long. 80-50-27 W.
Virginia Beach, Va.	NCZ	Lat. 36-51-10 N., long. 75-58-33 W.

## PACIFIC COAST.

Bird Island, Calif.	NLD	Lat. 37-49-27 N., long. 122-32-12 W.
Cape Hinchenbrook, Alaska	NRM	Lat. 60-14-00 N., long. 146-33-54 W.
Cattle Point, Wash.	NFN	Lat. 48-27-04 N., long. 122-57-45 W.
Empire, Oreg.	NPF	Lat. 43-23-03 N., long. 124-18-58 W.
Eureka, Calif.	NPW	Lat. 40-41-48 N., long. 124-16-34 W.
Farallon Islands, Calif.	NPI	Lat. 37-41-58 N., long. 122-59-56 W.
Fort Stevens, Oreg.	NZS	Lat. 46-11-32 N., long. 123-59-15 W.
Imperial Beach, Calif.	NPL	Lat. 32-35-14 N., long. 117-07-54 W.
New Dungeness, Wash.	NFT	Lat. 48-10-36 N., long. 123-07-51 W.
Ocean Park, Wash.	NZS	Lat. 46-27-53 N., long. 124-03-16 W.
Point Arguello	NPK	Lat. 34-34-43 N., long. 120-33-51 W.
Point Fermin, Calif.	NPX	Lat. 33-42-19 N., long. 118-17-38 W.
Point Hueneme, Calif.	NMD	Lat. 34-08-43 N., long. 119-12-30 W.
Point Loma, Calif.	NPL	Lat. 32-42-21 N., long. 117-15-17 W.
Point Montara, Calif.	NLH	Lat. 37-32-02 N., long. 122-31-07 W.
Point Reyes, Calif.	NLG	Lat. 38-02-13 N., long. 122-59-36 W.
Smith Island, Wash.	NFH	Lat. 48-19-04 N., long. 122-50-39 W.
Soapstone Point, Alaska	NUW	Lat. 58-06-13 N., long. 136-29-51 W.
Tatoosh, Wash.	NPD	Lat. 48-23-41 N., long. 124-44-13 W.

## GREAT LAKES.

Detour Point, Mich.	NZU	Lat. 45-57-20 N., long. 83-54-54 W.
Eagle Harbor, Mich.	NUG	Lat. 42-27-49 N., long. 85-08-45 W.
Grand Marais, Mich.	NZT	Lat. 46-40-29 N., long. 85-58-26 W.
Whitefish Point, Mich.	NZT	Lat. 46-46-19 N., long. 84-57-22 W.

**RADIO COMPASS STATIONS ON ATLANTIC AND PACIFIC COASTS AND GREAT LAKES, ALPHABETICALLY BY CALL SIGNALS.**

**ATLANTIC COAST.**

Call.	Station.	Call.	Station.
NAB	Cape Elizabeth (Portland, Me.).	NBS	Surfside (Nantucket), Mass.
NAD	Deer Island, Mass.	NBX	South Pass, La.
NAD	Fourth Cliff, Mass.	NCZ	Hog Island, Va.
NAD	Gloucester, Mass.	NCZ	Poynters Hill, N. C.
NAE	North Truro, Mass.	NCZ	Virginia Beach, Va.
NAF	Prices Neck, R. I.	NDW	Cape Hatteras, N. C.
NAH	Manasquan, N. J.	NEL	Lakehurst, N. J.
NAH	Sandy Hook, N. J.	NEV	Tybee Island, Ga.
NAH	Fire Island, N. Y.	NSD	Cape May, N. J.
NAN	Cape Lookout, N. C.	NSD	Cape Henlopen, Del.
NAQ	Jupiter, Fla.	NSD	Bethany Beach, Del.
NAR	Key West, Fla.	NSF	Anacostia, D. C.
NAS	Pensacola, Fla.	NZV	Folly Island, S. C.
NBD	Bar Harbor (Otter Cliffs), Me.	NZW	North Island, S. C.
NBM	Amagansett, Long Island, N. Y.		

**PACIFIC COAST.**

NFH	Smith Island, Wash.	NPK	Point Arguello, Calif.
NFN	Cattle Point, Wash.	NPL	Imperial Beach, Calif.
NFT	New Dungeness, Wash.	NPL	Point Loma, Calif.
NLD	Bird Island, Calif.	NPW	Eureka, Calif.
NLG	Point Reyes, Calif.	NPX	Point Fermin, Calif.
NLH	Point Montara, Calif.	NRM	Cape Hinchinbrook, Alaska.
NMD	Point Hueneme, Calif.	NUW	Soapstone Point, Alaska.
NPD	Tatoosh, Wash.	NZS	Fort Stevens, Oreg.
NPF	Empire, Oreg.	NZS	Ocean Park, Wash.
NPI	Farrallon Islands, Calif.		

**GREAT LAKES.**

NUG	Eagle Harbor, Mich.	NZT	Grand Marais, Mich.
NZU	Detour Point, Mich.	NZT	Whitefish Point, Mich.

## APPENDIX.

### INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS.

[To be used for all general public-service radio communication. (1) A dash is equal to three dots; (2) the space between parts of the same letter is equal to one dot; (3) the space between two letters is equal to three dots; (4) the space between two words is equal to five dots.]

A . --	Period.....	• • •
B ---.	Semicolon.....	— • — •
C --- -.	Comma.....	— • — —
D --- ..	Colon.....	— — — •
E .	Interrogation.....	• — — —
F . -- -.	Exclamation point.....	— — — —
G --- -.	Apostrophe.....	— — — — —
H . . . .	Hyphen.....	— • — —
I ..	Bar indicating fraction.....	— — — —
J . — — —	Parenthesis.....	— — — — —
K --- -.	Inverted commas.....	— — — — —
L . — — -.	Underline.....	— — — — —
M --- -.	Double dash.....	— — — — —
N --- .	Distress call.....	• • — — — —
O --- ---	Attention call to precede every transmission.....	— — — — —
P . — — -.	General inquiry call.....	— — — — — —
Q --- --- -.	From (de).....	— • •
R . — -.	Invitation to transmit (go ahead).....	— — —
S . . . /	Warning—high power.....	— — • — — —
T — \	Question (please repeat after .....)—interrupting long messages.....	• — — — —
U . . . —	Wait.....	— — • •
V . . . . —	Break (Bk.) (double dash).....	— — — —
W . . . — —	Understand.....	— — — —
X . . . . — —	Error.....	• • • • •
Y . . . — — —	Received (O. K.).....	— — —
Z . . . . — — —	Position report (to precede all position messages).....	— — — —
Ä (German)	End of each message (cross).....	— — — —
. — — -.	Transmission finished (end of work) (conclusion of correspondence).....	• • • • —
À or Å (Spanish-Scandinavian)		
. — — -.		
CH (German-Spanish)		
— — — — —		
É (French)		
. — — • •		
Ñ (Spanish)		
— — — • —		
Ö (German)		
— — — — —		
Ü (German)		
• — — —		

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATIONS.<sup>1</sup>

Abbreviation.	Question.	Answer or notice.
C Q	— · — · — — —	Signal of inquiry made by a station desiring to communicate.
T R	— — —	Signal announcing the sending of particulars concerning a station on shipboard (Art. XXII).
(I)	— — — · —	Signal indicating that a station is about to send at high power.
PRB	Do you wish to communicate by means of the International Signal Code?	I wish to communicate by means of the International Signal Code.
QRA	What ship or coast station is that? .....	This is .....
QRB	What is your distance? .....	My distance is .....
QRC	What is your true bearing? .....	My true bearing is ..... degrees.
QRD	Where are you bound for? .....	I am bound for .....
QRF	Where are you bound from? .....	I am bound from .....
QRG	What line do you belong to? .....	I belong to the ..... Line.
QRH	What is your wave length in meters? .....	My wave length is ..... meters.
QRJ	How many words have you to send? .....	I have ..... words to send.
QRK	How do you receive me? .....	I am receiving well.
QRL	Are you receiving badly? Shall I send 20. .... · · · · · for adjustment?	I am receiving badly. Please send 20. · · · · · for adjustment.
QRM	Are you being interfered with? .....	I am being interfered with.
QRN	Are the atmospherics strong? .....	Atmospherics are very strong.
QRO	Shall I increase power? .....	Increase power.
QRP	Shall I decrease power? .....	Decrease power.
QRQ	Shall I send faster? .....	Send faster.
QRS	Shall I send slower? .....	Send slower.
QRT	Shall I stop sending? .....	Stop sending.
QRU	.....	I have nothing to transmit.
QRV	Are you ready? .....	I have nothing for you.
QRW	Are you busy? .....	I am ready. All right now. I am busy (or, I am busy with ..... Please do not interfere).
QRX	Shall I stand by? .....	Stand by. I will call you when required.
QRY	When will be my turn? .....	Your turn will be No. .....
QRZ	Are my signals weak? .....	Your signals are weak.
QSA	Are my signals strong? .....	Your signals are strong.
QSB	Is my tone bad? .....	The tone is bad.
QSC	Is my spark bad? .....	The spark is bad.
QSD	Is my spacing bad? .....	Your spacing is bad.
QSF	What is your time? .....	My time is .....
QSG	Is transmission to be in alternate order or in series?	Transmission will be in alternate order.
QSH	.....	Transmission will be in series of 5 messages.
QSJ	What rate shall I collect for? .....	Collect .....
QSK	Is the last radiogram canceled? .....	The last radiogram is canceled.
QSL	Did you get my receipt? .....	Please acknowledge.

<sup>1</sup> When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATIONS—Continued.

Abbre- viation.	Question.	Answer or notice.
QSM	What is your true course? .....	My true course is ..... degrees.
QSN	Are you in communication with land? .....	I am not in communication with land.
QSO	Are you in communication with any ship or station (or: with .....)?	I am in communication with ..... (through .....).
QSP	Shall I inform ..... that you are calling him?	Inform ..... that I am calling him.
QSQ	Is ..... calling me? .....	You are being called by .....
QSR	Will you forward the radiogram? .....	I will forward the radiogram.
QST	Have you received the general call? .....	General call to all stations.
QSU	Please call me when you have finished (or: at ..... o'clock).	Will call when I have finished.
QSV 1	Is public correspondence being handled? .....	Public correspondence is being handled. Please do not interfere.
QSW	Shall I increase my spark frequency? .....	Increase your spark frequency.
QSX	Shall I decrease my spark frequency? .....	Decrease your spark frequency.
QSY	Shall I send on a wave length of ..... meters?	Let us change to the wave length of ..... meters.
QSZ	.....	Send each word twice. I have difficulty in receiving you.
QTA	.....	Repeat the last radiogram.
QTC	Have you anything to transmit? .....	I have something to transmit. I have one or more radiograms for .....
QTE	What is my true bearing? .....	Your true bearing is ..... degrees from .....
QTF	What is my position? .....	Your position is ..... latitude ..... longitude.

\*Public correspondence is any radio work, official or private, handled on commercial wave lengths.

















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